



DoorGUARDIAN UDE

Installation Manual

Please contact your Distributor / Installer for service ...

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TABLE OF CONTENTS

1. IMPORTANT NOTICES	5
2. SYSTEM BLOCK DIAGRAM.....	8
3. POWER AND GROUNDING REQUIREMENTS	9
4. TYPICAL SYSTEM INSTALLATION	11
5. SPECIFICATIONS	12
<i>Device Electrical Specifications.....</i>	<i>12</i>
<i>Wire Specifications.....</i>	<i>12</i>
<i>Environmental Specifications</i>	<i>12</i>
6. SYSTEM COMPONENTS.....	13
<i>U-DE Exit Panel (Front).....</i>	<i>13</i>
<i>U-DE Exit Panel (Rear).....</i>	<i>14</i>
<i>External Receiver</i>	<i>15</i>
<i>EXIU Panel.....</i>	<i>16</i>
<i>4 or 8 Channel LED Nurse Station Annunciator</i>	<i>17</i>
<i>Indoor/Outdoor Remote Keypad Layout</i>	<i>18</i>
<i>Indoor/Outdoor (N/O) Push Button Layout.....</i>	<i>18</i>
7. STANDARD FEATURES	19
Primary Reset (Escort) Code	19
Tertiary Reset (Escort) Code	19
Secondary Reset (Programming) Code.....	19
Selectable Delayed Egress Timing	19
Latching Delayed Egress	19
Quick Lock.....	19
Indoor/Outdoor Push Buttons.....	19
Escort codes.....	19
Software Verification	19
PM Mode.....	20
Loiter Alarm.....	20
8. THEORY OF OPERATION	20
U-DE Exit Panel	20
EXIU (Exit Interface Unit)	20
Indoor/Outdoor Remote Keypad	20
The Indoor/Outdoor (N/O) Push Button	20
<i>Basic Installation of Mounting Enclosures</i>	<i>21</i>
Surface Mount Enclosure (EXIU, Door GUARDIAN and KinderGUARD Exit Panels)	21
Flush Mount Enclosure (EXIU, 500DE, and Universal Exit Panels)	22
Flush Mount Enclosure (A02040901 LED Nurse Station Box Shown)	23
Surface Mount Enclosure (A02040901 LED Nurse Station Annunciator).....	24
<i>Remote Annunciation</i>	<i>25</i>
Nurse Station Annunciator	25
LED NURSE STATIONS #203 and #204 Wiring	26
LED Nurse Stations A02030901 and A02040901 Wiring	27
<i>EXIU to Secure Care Software Connections</i>	<i>27</i>
<i>Interfacing a Magnetic Lock to the U-DE Exit Panel</i>	<i>29</i>
<i>Interfacing Two Magnetic Solutions Locks</i>	<i>30</i>
<i>Interfacing the Push Button and Remote Keypad</i>	<i>31</i>
<i>Delayed Egress and Fire Alarm Connections</i>	<i>32</i>
<i>U-DE Exit Panel to Ext. Receiver Connections</i>	<i>33</i>

Multiple External Receiver Connections	34
430 kHz External Receiver.....	34
430 kHz External Receiver Function.....	34
430 kHz External Receiver Connections	35
9. PROGRAMMING INSTRUCTIONS.....	36
Reset Escort Codes	36
Primary Code	36
Secondary Code.....	36
Tertiary Code.....	36
Escort Only Code	37
Escort Time	37
Delayed Egress Release Time.....	37
Delayed Egress Activation Time.....	38
Delayed Egress Activation Time	38
Delayed Egress Volume.....	38
Latching Delayed Egress.....	39
Latching Delayed Egress	39
Irrevocable Latching Delayed Egress.....	39
Irrevocable Latching Delayed Egress	39
No Code/ Irrevocable Delayed Egress	40
No Code/ Irrevocable Delayed Egress.....	40
Disable Delayed Egress.....	40
Disable Delayed Egress.....	40
Elevator Mode	41
Elevator Mode	41
Fire Alarm Input Selection.....	41
Fire Alarm.....	41
Normally Open	41
Latching Fire Alarm	41
Latching Fire Alarm	41
Locking of Life Safety 101 Features	42
Software Version.....	42
Loiter Alarm.....	42
Loiter Alarm	42
Advanced Security Mode.....	43
Advanced Security Mode	43
Enable/Disable the Signal LED.....	43
Enable/Disable Signal LED	43
Enable/Disable 430 kHz External Receiver.....	43
Enable/Disable 430 kHz External Receiver	43
Antenna Range Adjustment	44
Max Range Adjustment.....	45
Advance Push Button Mode.....	45
Date Time Change.....	46
PM Mode Feature	46
Testing the CAN Bus	47
Setting Exit Panel ID Code	47
Escort Pendant Enable/Disable.....	47
Quick Lock Enable/Disable	48
Returning the Exit Panel Settings to Factory Default Values.....	49
EXIU Programming	49

EXIU Bypass	49
Change the EXIU Bypass code.....	49
Lock and Unlock all U-DE Exits	49
10. TESTING.....	50
<i>Recommended Weekly Testing</i>	50
Patient Escort Feature Test	50
Anti-Tailgate Feature Test.....	50
Remote Keypad Test	50
Push Button Test.....	50
Advanced Security Mode Test	50
<i>Recommended Monthly Testing</i>	50
Fire Alarm Release Feature Test.....	50
<i>Recommended Annual Service</i>	50
Battery Replacement.....	50
<i>Using a Transmitter/System Tester</i>	51
11. TROUBLESHOOTING.....	52
12. GENERAL PRODUCT WARRANTY STATEMENT	56
<i>1. Notices</i>	56
<i>2. Limited Warranty</i>	59
<i>3. Limitations of Liability</i>	60
<i>4. Governing Law and Arbitration</i>	61
<i>5. Severability</i>	61
<i>6. Waiver</i>	61
13. COMPLIANCE INFORMATION.....	62
A. UL LISTING REQUIREMENTS	72
B. FERRITE PLACEMENT	72
<i>Recommended Ferrite Placement</i>	72
<i>Correct and Incorrect Ferrite Installation</i>	73
C. 4 AMP POWER SUPPLY FOR EXIT PANELS	74

TABLE OF FIGURES

FIGURE 2-1	SYSTEM BLOCK DIAGRAM	8
FIGURE 3-1	POWER SUPPLY CONNECTION.....	10
FIGURE 6-1	FRONT VIEW OF U-DE EXIT PANEL.....	13
FIGURE 6-2	REAR VIEW OF U-DE EXIT PANEL.....	14
FIGURE 6-3	EXPLODED EXTERNAL RECEIVER ASSEMBLY.....	15
FIGURE 6-4:	EXIU PANEL BACK	16
FIGURE 6-5	NEW A02030901 NURSE STATION ANNUNCIATOR	17
FIGURE 6-6	NEW A02040901 NURSE STATION ANNUNCIATOR	17
FIGURE 6-7	REAR VIEW OF REMOTE KEYPAD.....	18
FIGURE 6-8	REAR VIEW OF PUSH BUTTON.....	18
FIGURE 8-1	SURFACE MOUNT ENCLOSURE FOR EXIT PANELS.....	21
FIGURE 8-2	FLUSH MOUNT ENCLOSURE	22
FIGURE 8-3	FLUSH MOUNT ENCLOSURE FOR 8 CHANNEL NURSE STATIONS.....	23
FIGURE 8-4	SURFACE MOUNT ENCLOSURE FOR NURSE STATIONS	24
FIGURE 8-6	A02040901 AND #204 NURSE STATION ANNUNCIATOR - FRONT	25
FIGURE 8-5	A02030901 AND #203 NURSE STATION ANNUNCIATOR - FRONT	25
FIGURE 8-7	NURSE STATION #203 AND #204 WIRING	26
FIGURE 8-8	BACK OF 204 NURSE STATION.....	26
FIGURE 8-9	A02030901 AND A02040901 WIRING.....	27
FIGURE 8-10	A0203091 NURSE STATION OPEN CIRCUIT BOARD EXAMPLE.....	27
FIGURE 8-11	EXIU TO COMPUTER CONNECTION	28
FIGURE 8-12	MAGLOCK WIRING FOR U-DE PANEL.....	29
FIGURE 8-13	DUAL MAGLOCK WIRING FOR UNIVERSAL SERIES PANEL.....	30
FIGURE 8-14	PUSH BUTTON AND REMOTE KEYPAD TO U-DE EXIT PANEL CONNECTION.....	31
FIGURE 8-15	DELAYED EGRESS AND FIRE ALARM CONNECTIONS	32
FIGURE 8-16	U-DE EXIT PANEL TO EXT. RECEIVER CONNECTIONS	33
FIGURE 8-17	MULTIPLE EXT. RECEIVER CONNECTIONS	34
FIGURE 8-18	UDE TO 430 KHZ RECEIVER CONNECTION.....	35
FIGURE B-1	FERRITE PLACEMENT	72
FIGURE B-2	FERRITE INSTALLATION.....	73
FIGURE C-3	4AMP POWER SUPPLY SCP PART NUMBER C40014204.....	74

1. IMPORTANT NOTICES

PLEASE READ THIS MANUAL BEFORE BEGINNING THE INSTALLATION OF A SECURE CARE SYSTEM

This installation manual is provided for reference by purchasers and installers of Secure Care Products, LLC ("Secure Care's") systems. This manual is not intended as a catalog of warnings for the protection of anyone or as a substitute for obtaining professional training or assistance in the design of a facility's security procedures and systems, or in the installation, set-up, testing, support, operation, maintenance, repair or use of Secure Care's systems. Nothing in this manual modifies the terms of Secure Care's General Product Warranty Statement or of any written agreement signed by Secure Care or creates further warranties or extends benefits of any sort to anyone beyond those already expressly established in Secure Care's General Product Warranty Statement and in any written contract signed by Secure Care.

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2. Secure Care Is Not Responsible for The Computer Hardware.

IF YOU PURCHASE COMPUTER HARDWARE THROUGH SECURE CARE AND REQUEST THAT SECURE CARE SOFTWARE BE INSTALLED AND TESTED ON THAT HARDWARE AT THE FACTORY, SECURE CARE WARRANTS ONLY THAT THE HARDWARE AND THE SOFTWARE PACKAGES WERE INSTALLED, SET-UP AND TESTED PRIOR TO SHIPMENT IN ACCORDANCE WITH ALL SECURE CARE PRODUCT MANUALS AND THAT, AT THE TIME THE HARDWARE AND THE SOFTWARE PACKAGES WERE FINALLY INSPECTED AT THE FACTORY, THEY WERE PERFORMING (SUBJECT TO SECURE CARE'S SPECIFIED TOLERANCES) IN ACCORDANCE WITH SECURE CARE'S SPECIFICATIONS. SECURE CARE WILL NOT BE RESPONSIBLE FOR ANY DEFECTS IN OR PROBLEMS CAUSED BY THE HARDWARE, ALL CLAIMS FOR WHICH MUST BE MADE TO THE HARDWARE MANUFACTURER AND/OR VENDOR. SECURE CARE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND/OR NON-INFRINGEMENT. SECURE CARE ALSO DISCLAIMS ALL OBLIGATIONS WITH RESPECT TO THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM THAT MIGHT OTHERWISE ARISE OR BE IMPLIED FROM THE FACT THAT SUCH HARDWARE CARRIES SECURE CARE'S LOGO OR NAME OR ANY OTHER TRADEMARK, SERVICE MARK OR TRADE NAME USED OR CLAIMED BY SECURE CARE OR FROM THE DELIVERY OR INSTALLATION OF THE HARDWARE WITH SECURE CARE SOFTWARE, PARTS AND/OR PRODUCTS OR FROM A COURSE OF DEALING OR USAGE IN TRADE. ALL RESPONSIBILITY FOR DESIGNING, MANUFACTURING, LABELING AND WARNING OF HIDDEN DEFECTS OR DANGERS IN THE HARDWARE AND/OR ITS USE WITH AND OPERATION IN THE SECURE CARE SYSTEM RESTS EXCLUSIVELY WITH THE HARDWARE MANUFACTURER AND/OR VENDOR, AND ANY CLAIMS, COSTS, DAMAGES OR LIABILITIES ARISING FROM THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM SHALL BE MADE SOLELY AGAINST THE HARDWARE MANUFACTURER AND/OR VENDOR.

3. Several Factors Outside the Secure Care System Can Affect its Performance

Secure Care's software, parts and products are designed for operation in a wireless system. however the range, performance, and predictability of any wireless system, including Secure Care's, is dependent on several factors, including, but not limited to, the following: building structure; environmental extremes (e.g., temperature, earth tremors, air pollution, etc.); the proximity of other wireless devices; the presence of variable speed products; sources of radio frequency interference (rfi); physical orientation and positioning of the equipment; and sources of electro static discharge (esd). Secure Care is not responsible for the effect of these types of factors on operation of its software, parts and products and disclaims all responsibility for any claim relative thereto.

4. The Secure Care System Must be Properly Installed

Secure Care's system must be installed, set-up, tested, supported, operated, maintained, repaired and used only in accordance with all manuals and instructions (including the user, installation, technical and other manuals) issued by Secure Care (the "product manuals"). it is your responsibility to assure that any person who might be installing, setting-up, testing, supporting, maintaining or repairing the Secure Care system knows the contents of and has access to the product manuals and has successfully completed Secure Care technical training. it is also your responsibility to assure that any person who might be operating or using this product knows the contents of and has access to the product manuals and has successfully completed Secure Care in-service training. Secure Care can not be responsible for performance problems caused by a failure to follow prescribed and appropriate procedures for installation, set-up, testing, support, operation, maintenance, repair and use.

All adjustable features on new and repaired Secure Care software, parts and products are shipped with "factory default" settings. These "factory default" settings may not comply with building and life safety codes or other applicable laws and regulations in the location where they are installed or operated. Secure Care strongly recommends, therefore, that the settings on all Secure Care software, parts and products be checked and, if necessary, reset to comply with local building and life safety codes and other applicable laws and regulations at the time of any installation, set-up, testing, support, maintenance or repair.

5. Performance of the Secure Care System Software Depends on Proper Maintenance

Secure Care's system is driven by software. However, the performance and reliability of any software-driven system depends on adequately maintaining the recommended minimum configuration of computing platform, operating systems and applications programs and on regularly performing industry-standard and application-specific backup processes. if recommended minimum configurations of computing platform, operating systems, and applications programs are not adequately maintained, or if appropriate backups are not regularly performed, the software may not drive the system as intended. Secure Care is not responsible for operational problems caused by a failure to perform these maintenance and backup procedures and disclaims all responsibility for any claim relative thereto.

6. Only a Qualified Service Technician Should Work on a Secure Care System

Secure Care does not authorize, and strongly recommends against, any installation or field replacement of software, parts or products by untrained contractors or facility staff. Such work can be hazardous, can render the system ineffective and will void any Secure Care warranty or liability that might otherwise relate to the system.

Before any software, parts or products which have been designed and manufactured by Secure Care can be safely installed, set-up, tested, supported, maintained or repaired, technical training in accordance with standards established by Secure Care is required. regardless of how Secure Care's software, parts or products are obtained, they should not be installed, set-up, tested, supported, maintained or repaired by any person who has not satisfactorily completed that technical training (a "qualified service technician".) When Secure Care's software, parts or products are sold separately from installation services, it is assumed that only a qualified service technician will conduct any installation, set-up, testing, support, maintenance or repair involving that software, part or products.

7. Only a Authorized Distributor or Installer can Install a Secure Care System

SECURE CARE PRODUCTS LLC, REQUIRES ALL INSTALLATIONS, UPGRADES OR SERVICING OF AN EXISTING INSTALLATION OF ANY AND ALL SCP PRODUCTS OR SYSTEMS TO BE PERFORMED BY FACTORY CERTIFIED DISTRIBUTORS AND/OR INSTALLERS WITH SIGNED DISTRIBUTOR OR INSTALLER AGREEMENTS. CUSTOMERS THAT GAIN TECHNICAL SERVICE CERTIFICATIONS AND MAINTAIN THEIR CERTIFICATIONS OVER TIME ARE ALLOWED TO INSTALL REPLACEMENT HARDWARE AND SERVICE PREVIOUS INSTALLATIONS CONDUCTED BY CERTIFIED DISTRIBUTORS FOR THE FACILITIES THEY OWN AND OPERATE ONLY FOR THE PRODUCTS THEY ARE CERTIFIED TO AND FOR THE SOLE PURPOSE OF MAINTENANCE AND REPAIRS. IN DOING SO, THEY ASSUME LIABILITY FOR THOSE REPAIRS AND MAINTENANCE. ANY INDIVIDUAL WORKING FOR AND ASSISTING A COMPANY WHO HAS NOT SIGNED A DISTRIBUTOR AGREEMENT AND AS A RESULT IS NOT A CERTIFIED DISTRIBUTOR OF SECURE CARE PRODUCTS LLC WILL ASSUME ALL LIABILITY OF THE EQUIPMENT/SYSTEM IN ITS ENTIRETY. CERTIFIED INDIVIDUALS NO LONGER WORKING FOR A CERTIFIED SECURE CARE DISTRIBUTOR IS NO LONGER CONSIDERED CERTIFIED TO INSTALL/SERVICE SECURE CARE PRODUCT EQUIPMENT/SYSTEMS.

Equipment/systems installed outside the above criteria will void any and all warranty given by Secure Care Products, LLC.

8. Any Work Must Comply with Electrical and Life Safety Codes

IT IS IMPORTANT THAT ANY INSTALLATION, SET-UP, TESTING, SUPPORT, OPERATION, MAINTENANCE, REPAIR OR USE INVOLVING THE SYSTEM COMPLY WITH ALL LOCAL AND NATIONAL ELECTRICAL AND LIFE SAFETY CODES. IF YOU HAVE ANY QUESTIONS ABOUT COMPLIANCE WITH THOSE CODES, PLEASE CONTACT YOUR LOCAL AUTHORITIES.

9. Immediately Have Replacements or Repairs Checked On-Site by a Qualified Service Technician

SECURE CARE RECEIVES AND RESPONDS TO TELEPHONE AND DIAL-IN INQUIRES (THE "HELP LINE") ABOUT ITS SOFTWARE, PARTS AND PRODUCTS FOR THE PURPOSE OF DISCUSSING USERS' EXPERIENCES WITH SECURE CARE'S SYSTEM, HELPING USERS BETTER UNDERSTAND HOW THEIR SYSTEMS WORK, AND PROVIDING IDEAS ABOUT WHAT MAY BE CAUSING DIFFICULTIES. HOWEVER, SECURE CARE CANNOT ACCURATELY DIAGNOSE THE CAUSE OF ANY PROBLEMS OR GIVE COMPLETE INSTRUCTIONS ON HOW TO FIX PROBLEMS OVER THE TELEPHONE OR INTERNET. THE ONLY WAY TO ASSURE THAT SOFTWARE, PARTS OR PRODUCTS ARE INSTALLED, SET-UP, TESTED, SUPPORTED, MAINTAINED OR REPAIRED CORRECTLY OR THAT A SECURE CARE SYSTEM IS FUNCTIONING PROPERLY IS TO HAVE IT EXAMINED ON SITE BY A QUALIFIED SERVICE TECHNICIAN. IN ADDITION, SECURE CARE SOFTWARE, PARTS AND PRODUCTS CANNOT BE OPERATED OR USED CORRECTLY BY ANYONE WHO HAS NOT SUCCESSFULLY COMPLETED SECURE CARE IN-SERVICE TRAINING. SECURE CARE'S HELP LINE IS NOT A SUBSTITUTE FOR ON-SITE DIAGNOSIS AND SERVICING BY A QUALIFIED SERVICE TECHNICIAN OR FOR SUCCESSFUL COMPLETION OF SECURE CARE IN-SERVICE TRAINING. SECURE CARE STRONGLY RECOMMENDS THAT ANY INSTALLATION, SET-UP, TESTING, SUPPORT, MAINTENANCE OR REPAIR OF A SYSTEM THAT IS PERFORMED BY A PERSON WHO HAS NOT SATISFACTORILY COMPLETED TECHNICAL TRAINING IN ACCORDANCE WITH STANDARDS ESTABLISHED BY SECURE CARE BE IMMEDIATELY CHECKED ON-SITE BY A QUALIFIED SERVICE TECHNICIAN.

WARNING: EVEN SLIGHT MODIFICATIONS TO THE SYSTEM OR CHANGES IN THE OPERATING ENVIRONMENT MAY CAUSE SECURE CARE'S SYSTEM TO MALFUNCTION. THE ONLY WAY TO ASSURE THAT SECURE CARE'S SYSTEM HAS BEEN INSTALLED, SET-UP, TESTED, SUPPORTED, MAINTAINED AND REPAIRED CORRECTLY IS TO HAVE A QUALIFIED SERVICE TECHNICIAN DO THE WORK.

10. The Secure Care System is not a Substitute for Careful Identification and Monitoring by Professional Staff

SECURE CARE'S SOFTWARE, PARTS AND PRODUCTS HAVE BEEN DESIGNED TO AUGMENT A FACILITY'S REASONABLE PROCEDURES FOR PROTECTING RESIDENTS, PATIENTS, AND INFANTS. HOWEVER, NO SYSTEM OR COMBINATION OF PROCEDURES AND EQUIPMENT CAN ELIMINATE ALL RISK OR ASSURE COMPLETE SECURITY. SECURE CARE'S SYSTEM IS NOT INTENDED AS A SUBSTITUTE FOR THE CAREFUL IDENTIFICATION AND MONITORING OF RESIDENTS, PATIENTS, AND INFANTS BY A FACILITY'S PROFESSIONAL STAFF.

11. Warranty

DEPARTURES, SUBSTITUTES, OR DECLINING SECURE CARE PRODUCTS SUPPLIED HARDWARE WILL VOID THE PRODUCT/SYSTEM WARRANTY AND THE AGENCY CERTIFICATION. YOU WILL ASSUME ALL LIABILITY FOR ANY DEVIATIONS.

12. Acceptance of Order

ACCEPTANCE OF THIS ORDER AND ITS TERMS AND CONDITIONS, ALSO CERTIFIES THAT THE EQUIPMENT DESCRIBED ABOVE HAS BEEN DELIVERED TO AND RECEIVED BY THE PURCHASER AND IS IN GOOD OPERATING ORDER AND CONDITION, AND THAT THE EQUIPMENT IS ACCEPTED BY THE PURCHASER FOR ALL PURPOSES FOR WHICH THE EQUIPMENT IS INTENDED BY SECURE CARE PRODUCTS.

2. SYSTEM BLOCK DIAGRAM

A01350691, UNIVERSAL U-ID EXIT PANEL & UNIVERSAL U-DE NON CUTBAND

Fig. 2

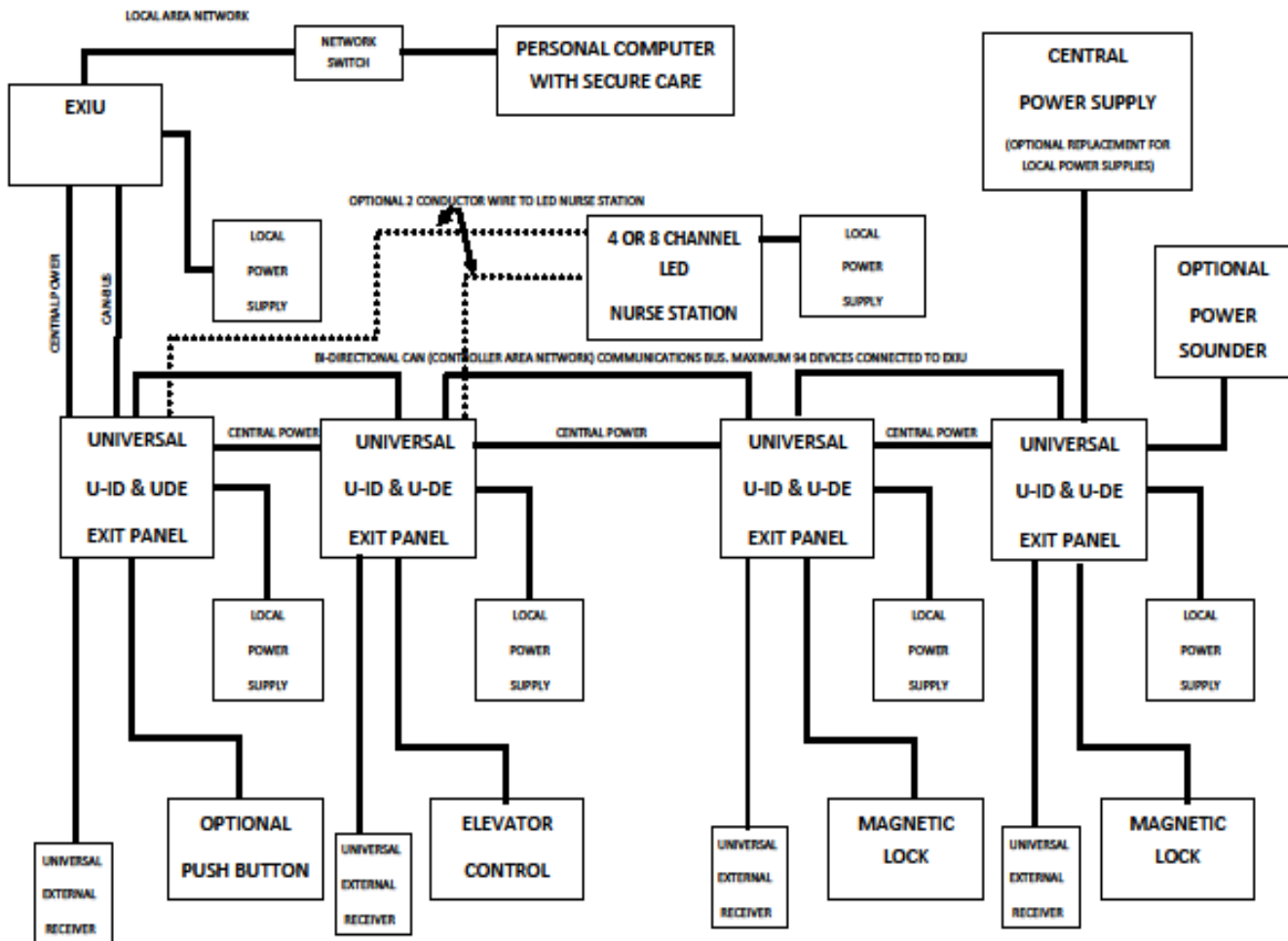


Figure 2-1 System Block Diagram

3. POWER AND GROUNDING REQUIREMENTS

Each Exit Panel will require a 110/220/230VAC duplex outlet specific to regional or country options (minimum 2 Amp) within ten cable feet of the intended installation location.

It is strongly recommended to run dedicated, isolated circuit to power exit panels and other devices.

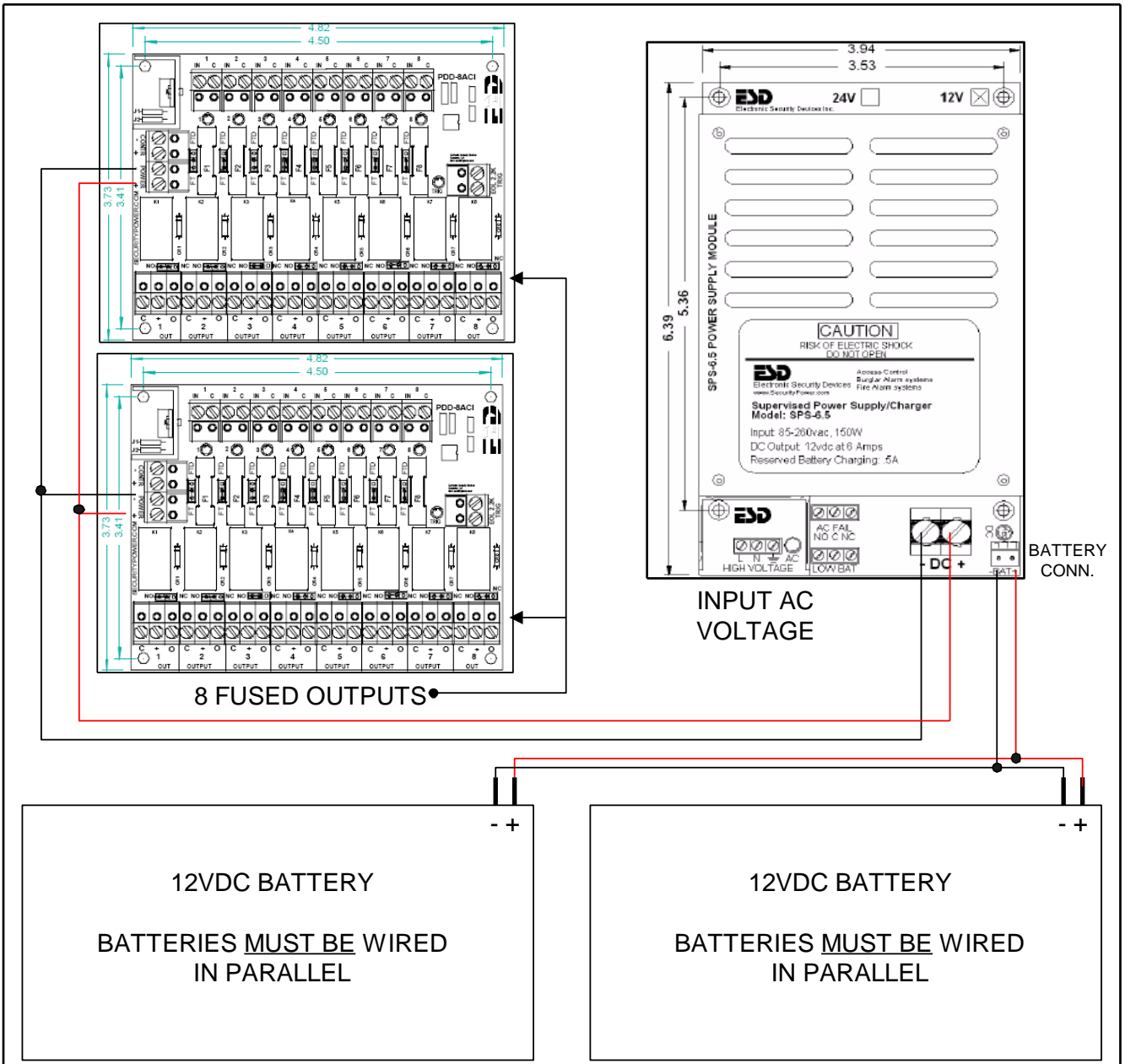
NOTES: Power Wire: 14/2 stranded, shielded. Power wire is a UL requirement. Failure to use this wire removes the UL listing.

Do not connect to a receptacle controlled by a switch.

A central power supply can be used as well as the 12 - 15VDC 1.2 Amp plug in power supply.

Do not extend the power supply cord provided. The maximum distance the duplex outlet should be from the Exit Panel is ten cable feet.

12VDC 8AMP POWER SUPPLY



**REFER TO THE MANUFACTURER'S
INSTALLATION MANUAL BEFORE
INSTALLING POWER SUPPLY**



- Risk of shock
- Dry location use only
- For indoor use only




**Power Wire 14/2 Stranded shielded.
Power wire is UL requirement. Failure to use this wire removes UL Listing.**

Figure 3-1 Power Supply Connection

4. TYPICAL SYSTEM INSTALLATION

As with any Wandering Monitoring System, each application can be different. Use the guidelines below as a basic understanding of what a standard application would be like.

- Identify all the equipment that is to be installed. Inspect for any damage that may have resulted during shipment. If damage is found, notify the shipping carrier immediately and arrange for an inspection. Be sure to retain all shipping and packing materials.
 - Install all communication wires from each exit system to the system annunciator location (computer location). Secure Care strongly recommends that all wiring used to install Secure Care equipment be run at least 18 inches from all other wiring and not be installed inside metal conduit. It is also strongly recommended to not utilize cable trays used in networking installations and to secure the wires off of ceiling grids. If the wiring is installed in any of these manners it could cause undesired induction of Radio Frequency (RF) interference with our system.
- 
- Determine the location of the Exit Control Panel, making sure to accommodate for any local, state, or federal codes or guidelines including ADA requirements, and mount as required. Standard applications would place this equipment on the wall at the center of the door height on the latch side.
 - Mount the Electromagnetic Lock in strict accordance with the manufacturer installation instructions. Be sure to comply with all Life Safety and Electrical Codes as required.
 - Mount the Magnetic Door Contacts provided with the Exit Kit on the latch side of the door. These contacts provide a method of monitoring the open or closed status of the door.
 - Route all necessary peripheral connection wires into the Exit Control Panel mounting box. These would include wires such as communication, magnetic contacts, exit power, magnetic lock power, etc.
 - Prepare all wires and make connections to the exit system. Special care should be taken to prevent loose connections and shorts.
 - Proceed to the remote system annunciator location to mount as required. This device should be easily visible by staff for monitoring of the system. Common locations are centralized nurse stations or staffed reception areas.
 - Make all necessary wiring connections.
 - Plug in all power supplies and batteries. The system is now ready for testing.

NOTE: From this point out in the manual Door GUARDIAN Universal DE will be called U-DE.

5. SPECIFICATIONS

This product meets UL 294 Standard, Access Control Level.

Device Electrical Specifications

EXIU, Door Guardian and KinderGUARD Exit Panels

- Input Power: 12 - 15VDC
- Relay Specifications: Max. 30VDC (only) 1 Amp
- Battery Back Up: Rechargeable 9VDC Ni-MH battery
- Battery Back Up Time: Approximately 30-40 minutes
- Max Current Draw: 150 mA

Magnetic Lock

- Input Power: 12VDC
- Battery Back Up: None
- Max Current Draw: 500 mA

Cutband Receiver

- Input Power: 12VDC
- Battery Back Up: Through Central Power Supply
- Max Current Draw: 40 mA

Ext. Receiver

- Input Power: 12VDC
- Battery Back Up: Through Exit Panel
- Max Current Draw: 25 mA

Wire Specifications

Plenum Shielded Fire Wire:	1 pair 16 AWG,
Plenum Shielded Scepter Antenna Wire	1 pair 22 AWG,
Plenum Shielded Nurse Station Wire	1 pair 22 AWG,
Plenum Shielded Communication Wire:	1 pair 22 AWG,
Plenum Shielded Ext. Receiver Wire:	1 pair 22 AWG,
Plenum Shielded Lock Wire:	3 pair 22 AWG,
Plenum Shielded Power Wire:	1 pair 14 AWG,

Remote Keypad Cable	2 Foot Cable	A05032031,
	10 Foot Cable	A05032032,
	15 Foot Cable	A05032033,
	30 Foot Cable	A05032034

Environmental Specifications



SAFETY: Please pay attention to the following safety warnings: These products should not be used in a manner not specified by the manufacturer.

- Operating temperature 5°C to 40°C
- Storage temperature -10° to + 50°
- Refer servicing to trained, qualified personnel
- There are no serviceable parts inside the Ext. Receiver.
- Do not operate the device in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite fire hazard.
- Do not install substitute parts or perform any unauthorized modifications to the instrument.
- Power supply: Risk of shock
- Dry location use only
- For indoor use only
- 2 hour flame rated back boxes available upon request.

6. SYSTEM COMPONENTS

U-DE Exit Panel (Front)



NOTE: Not all exit panels will have every feature set or all components populated. Refer to specific part number or exit panel model name for available feature sets.

Panel Information U-DE Exit Panel

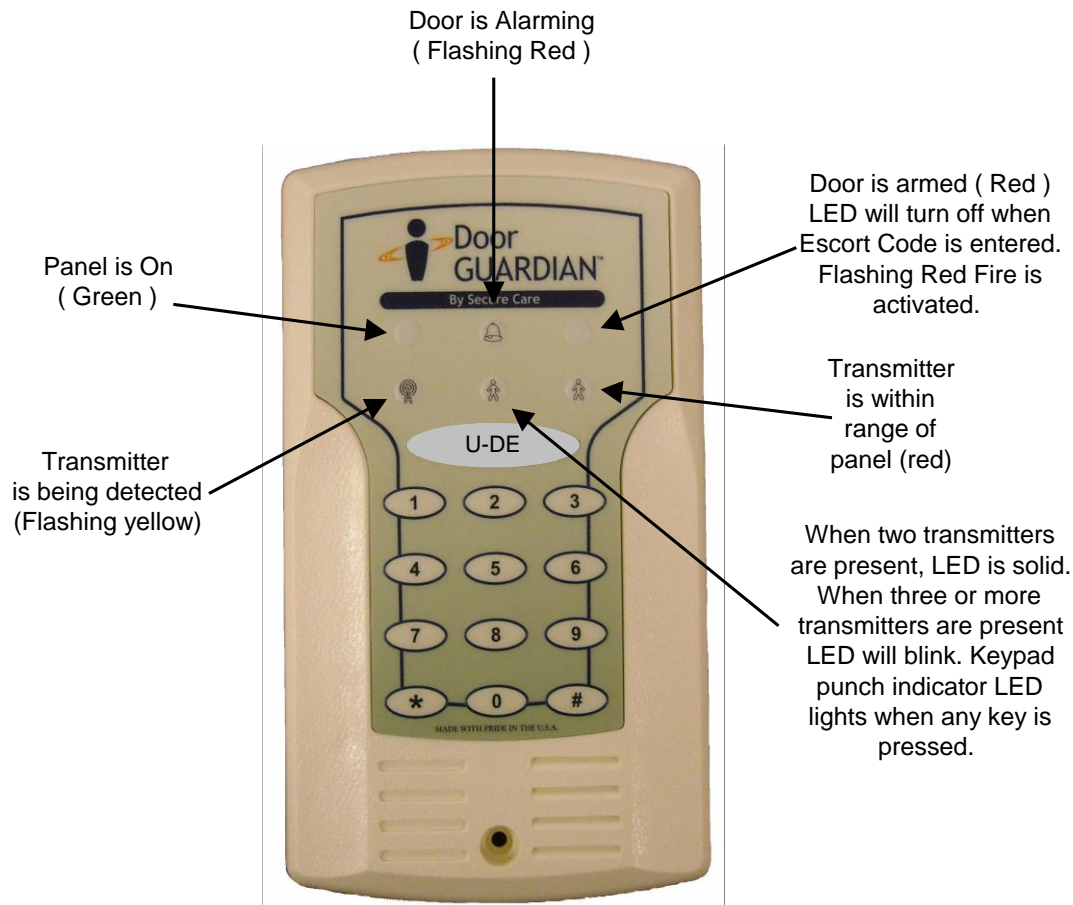


Figure 6-1 Front View of U-DE Exit Panel

U-DE Exit Panel (Rear)

LEGEND

1. **Lock Relays**
 - Triggered by lock condition.
 - Dry Contact
 - Max. 30VDC (only) 1 Amp
2. **Auxiliary Relays**
 - Triggered by alarm condition.
 - Dry Contact
 - Max. 30VDC (only) 1 Amp
3. **Power**
 - +12-15VDC 1.2 Amp Input
4. **Egress Connection**
 - Attach to NC dry Contact
5. **Door Contact Connection**
 - Attach to NO dry Contact
6. **Momentary Push Button or Non-latching Key Switch Connection**
 - Attach to Dry Contact
7. **Fire Alarm Connection**
 - Programmable NO or NC
 - Attach to Dry Contact
8. **CAN Bus Termination Jumper**
9. **CAN BUS Connection**
10. **External Receiver Inputs**
 - Up to two receivers per Input.
11. **Panel Dip Switch**
 - Control Power off/on, Mute and Volume Level.
12. **Battery Connection**
 - Rechargeable 9V NMHC Battery Only.
13. **External Keypad Connection**
 - 7 Pin Connection
 - See Page 31 for more information.

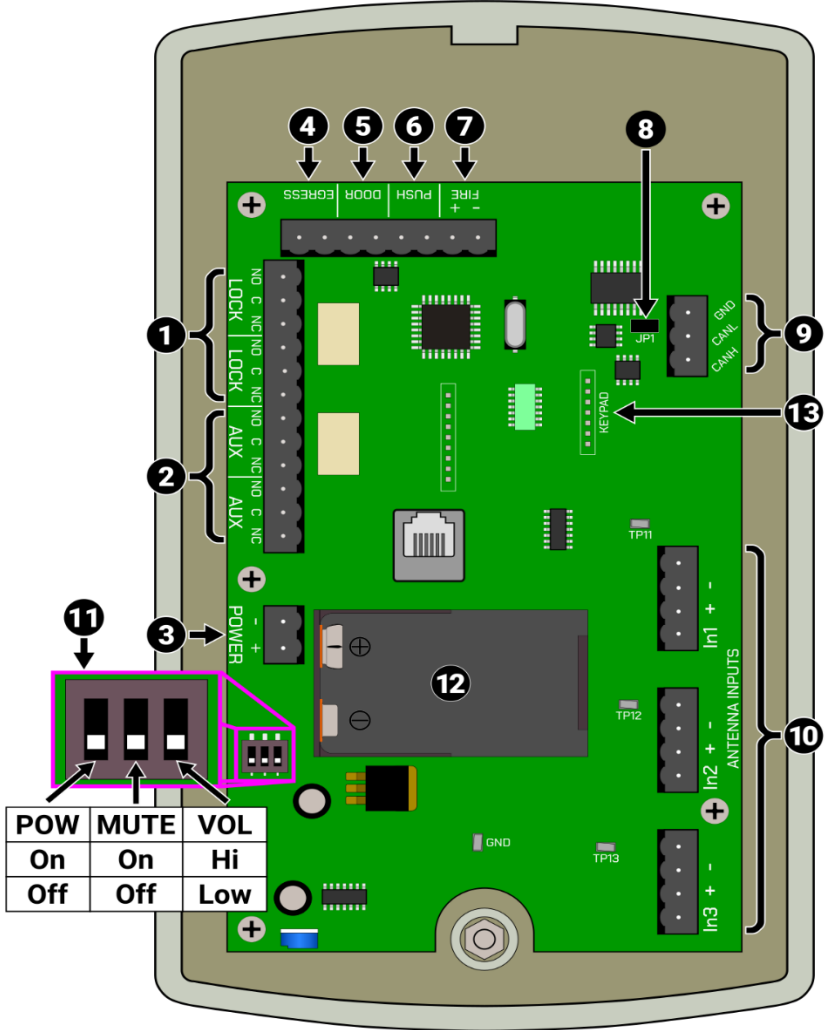


Figure 6-2 Rear View of U-DE Exit Panel

NOTE: Not all Universal Exit Panels will have every feature set or all components populated. Refer to specific Part Number or Exit Panel model name for available feature sets.

The U-DE Exit Panel is a microprocessor-based unit that recognizes pulse signals sent from Secure Care Products, LLC. Transmitters. This perimeter control panel can allow for traffic to pass normally, but can engage an optional magnetic lock when a Secure Care transmitter is within detection range. The U-DE Exit Panel should create an audible and visual alarm when a transmitter is in detection range, and the door is open. The system can trigger an alarm at a PC based Secure Care Software graphic annunciator in a specified remote location. The escort feature allows infants wearing Secure Care Products, LLC. Transmitters to be escorted without alarm when an authorized, user programmable, four digit code is entered. The anti-tailgate feature should immediately re-arm the system when the door has closed to prevent an unauthorized exit. The PM feature allows the system to lock or alarm for exit/entry during specified time periods.

External Receiver

External Receivers convert RF signals into digital information that the U-DE Panel can read. The U-DE Panel requires at least one External Receiver to recognize Secure Care Patient Tags. The type of External Receiver determines what frequency the system supports. The frequencies supported are 13.56 MHz, 40.68 MHz, 6.78 MHz, and 430 kHz. External Receivers of 13.45, 40.68, and 6.8 MHz Frequencies have built-in antennae, so no external antenna is needed. The 430 kHz External Receiver does not have an internal antenna requiring an external 430 kHz sceptor Antenna. See 430 kHz External Receiver starting on page 34 for a more detailed explanation of the 430 receiver setup.

All External Receivers are flush mount an Oval Enclosure Raceway Adapter is needed for wall for surface mounted installations using cable raceway. The Oval Enclosure Raceway adapter is sold separately.

NOTE: A *T10H* screwdriver is required to remove the External Receiver's cover.

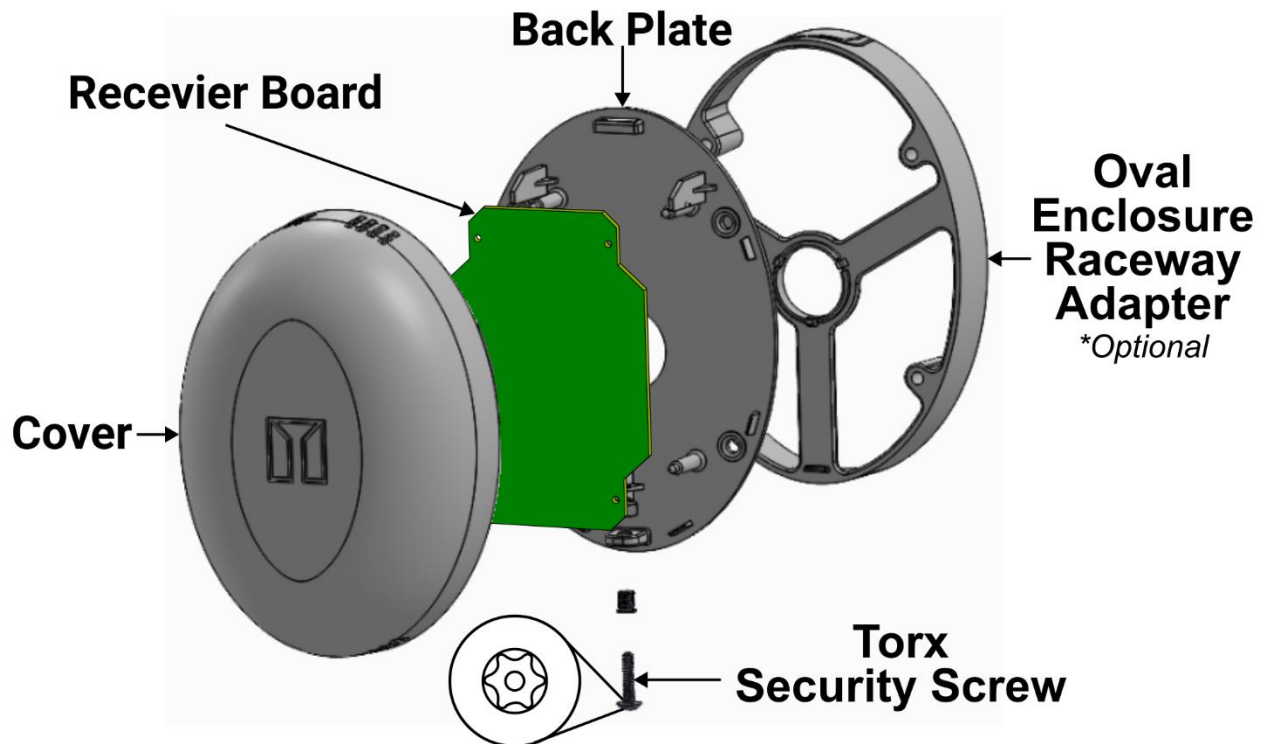


Figure 6-3 Exploded external receiver assembly

NOTE: An Oval Enclosure Raceway Adapter is necessary when using cable raceway. The Oval Enclosure Raceway Adapter is sold separately from the External Receiver.

EXIU Panel

The EXIU communication hub is designed to provide a method of message control for all field installed devices using the CAN bus architecture for supervision and event message transmission. Up to 95 total exit panels and or 30 Cutband Receivers may be connected to one EXIU unit. Each field device will require its own uniquely programmed addressable ID. The EXIU passes the input messages along to a PC based Secure Care Software graphical annunciator.

1. J8 to J15 N/O Dry Contact Inputs
2. J4 Hard wire Lockdown Mode with J3
3. J1 12 to 15 VDC power input
4. J3 Hard wire Lockdown Mode with J4
5. Dip Switches 1 power on and off.
6. CanBus (Controlled Area Network)
7. Ethernet Connection to Router and Secure Care PC.
8. Battery Backup
9. CanBus Termination

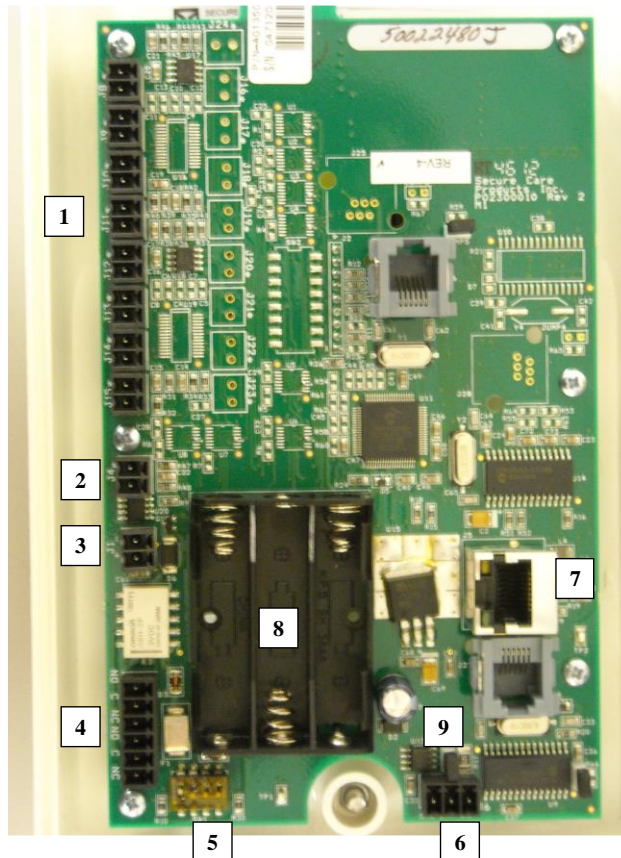


Figure 6-4: EXIU Panel Back

4 OR 8 CHANNEL LED NURSE STATION ANNUNCIATOR

NOTE: Actual Nurse Station connections may differ from figures below.

LEGEND

1. Form C output relay
2. DC power input
3. Dry contact position inputs (1-4)
4. Volume Adjustment

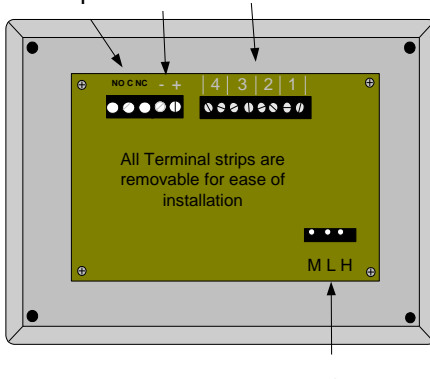


Figure 6-5 New A02030901 Nurse Station Annunciator

LEGEND

1. Form C Output Relay
2. DC power inputs
3. Dry contact position inputs (1-4)
4. Volume Adjustment
5. Dry contact position inputs (5-8)
6. DC power inputs
7. Shield drain ground connection
8. Volume adjustment

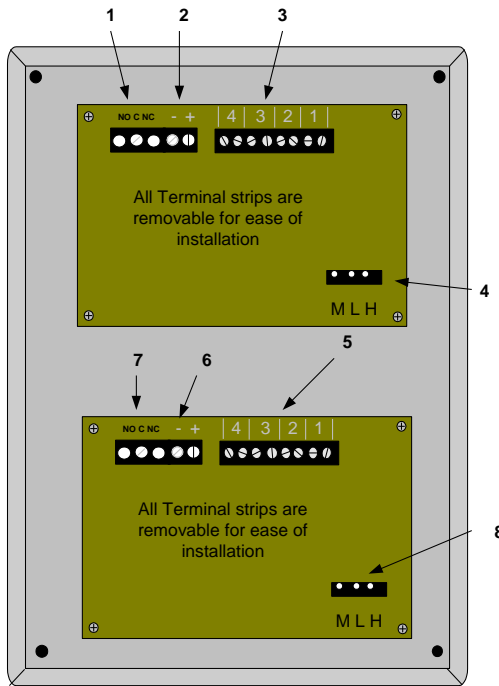


Figure 6-6 New A02040901 Nurse Station Annunciator

Indoor/Outdoor Remote Keypad Layout

LEGEND

1. 7 Pin Connector for Seven conductor ribbon cable
2. Steel Faceplate
3. Mounting Screw Holes

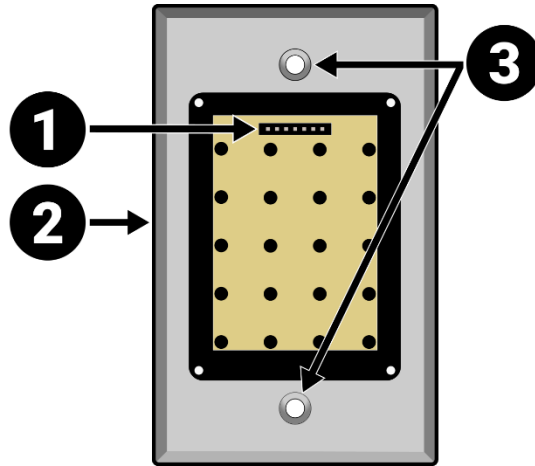


Figure 6-7 Rear View of Remote Keypad

Indoor/Outdoor (N/O) Push Button Layout

LEGEND

1. Connection Pins
2. Steel Faceplate
3. Mounting Screw Holes

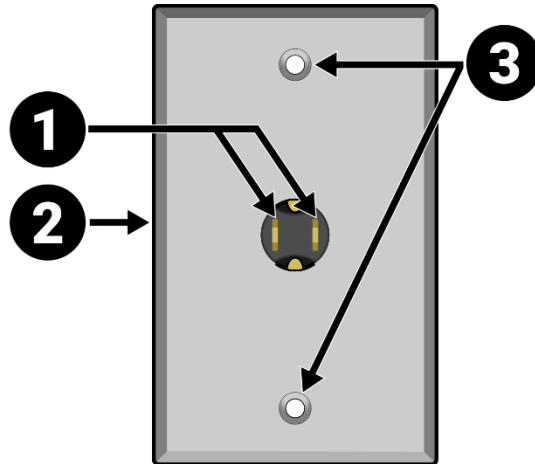


Figure 6-8 Rear View of Push Button

7. STANDARD FEATURES

The selective monitoring system is designed to augment your policy regarding security of infants, small children, or residents. If used and tested properly, the system will provide many years of trouble free operation. The standard system consists of an Exit Panel, the electromagnetic lock, the Receiver/Antenna, magnetic door contacts, and an active Transmitter.

The standard mode of operation for the Exit System allows free access of the door by nurse staff members and visitors but quietly locks the door when a transmitter approaches the door. When the transmitter leaves the monitored area, the door unlocks and access is again available for the nurse staff and visitors. If a nurse staff member is required to escort a transmitter out of the protected area, an escort code can be entered into the Exit Panel keypad to allow both the nurse staff member and the transmitter to pass through the perimeter without creating an alarm.

Other key features are described below and can be activated at the time of installation or at any time afterward by a trained technician.

Primary Reset (Escort) Code – This code is used to reset an alarm condition or escort a monitored transmitter through a door without creating an alarm condition. In the Advanced Security Mode, the primary reset (escort) code will not allow access through a monitored door location. This code should not be given to family members or visitors. Only nurse staff members should be allowed to reset an alarm condition or escort a transmitter out of the building without creating an alarm.

Tertiary Reset (Escort) Code - This code is used to reset an alarm condition or escort a monitored transmitter through a door without creating an alarm condition. In the Advanced Security Mode, the tertiary reset (escort) code will not allow access through a monitored door location. This code should not be given to family members or visitors. Only nurse staff members should be allowed to reset an alarm condition or escort a transmitter out of the building without creating an alarm.

Secondary Reset (Programming) Code – In the Advanced Security Mode, the secondary code is used to escort a transmitter through a monitored door. This code is also used to enter the programming mode of the system. This code should only be given to authorized nursing staff members.

Selectable Delayed Egress Timing – This feature allows the Exit Panel to be programmed for either a 15 or 30 second release on activation of the delayed egress function. Per NFPA Life Safety Code 101, local life safety officials must be contacted for guidance on requirements for local jurisdictions prior to being programmed.

Latching Delayed Egress – Enabling the latching delayed egress function of the Exit Panel allows the electromagnetic lock to remain unlocked whenever the delayed egress cycle has released the door and a monitored transmitter has exited the perimeter. A valid reset (escort) code entered by an authorized staff member is required before the door is available to lock again.

Quick Lock – The “Quick Lock” feature allows a user to lock all of the doors connected to an Exit Interface Unit (EXIU) with one key press. The feature is enabled by pushing and holding the zero (“0”) key on the keypad of any Universal U-ID Exit Panel.

The feature is disabled by holding “0” again until the exit panel “beeps” and then entering the Secondary Code no “*”).

Indoor/Outdoor Push Buttons – will be disabled while the “quick lock” feature is enabled.

Escort codes - will be allowed.

For an alternative way to lock all of the doors and still have indoor/outdoor push buttons available (see Lock and Unlock all U-DE Exits Page 49).

NOTE: The “Quick Lock” feature should only be used when the software version of all of the installed exit panels is Revision 9.684 and later. Use Software Verification feature to check on the version. This feature should NOT be used when exit panels with versions older than 9.684 are installed in the system. The older revisions of software will not disable indoor/outdoor push buttons attached to the exit panel.

Software Verification – The software verification feature allows the user to determine which software version is installed in the Exit Panel. The Exit Panel will blink the LED’s and chirp the sounder located on the front of the panel in specific sequences that are to be counted for identification.

PM Mode – This feature allows the Exit Panel to be programmed to lock and unlock automatically at certain times of the day whether a transmitter is near a monitored area or not.

Loiter Alarm – When activated, this feature will create an alarm condition whenever a monitored transmitter remains within the detection range of an exit for a predetermined period of time.

8. THEORY OF OPERATION

U-DE Exit Panel

The U-DE Exit Panel is a microprocessor-based unit that recognizes pulse signals sent from Secure Care Transmitters. This control panel can allow for traffic to pass normally, but can engage an optional magnetic lock when a Secure Care Transmitter is within detection range. The U-DE should create an audible and visual alarm when a transmitter is in detection range and the door is open. The system can trigger an alarm at either an A02030901/A02040901 LED Annunciator, or a PC based Secure Care Software Graphic Annunciator in a specified remote location. The escort feature allows adults to be escorted without alarm when an authorized, user programmable, four digit code is entered. The anti-tailgate feature should immediately re-arm the system when the door has closed to prevent an unauthorized exit. The PM feature allows the system to lock or alarm for exit/entry during specified time periods.

EXIU (Exit Interface Unit)

The EXIU communication hub is designed to provide a method of message control for all field installed devices using the CAN bus architecture for supervision and event message transmission. Up to 95 total devices may be connected to one EXIU unit. Each device will require its own uniquely programmed addressable ID. The EXIU passes the input messages through to a PC based Secure Care Software Graphical Annunciator. The EXIU is equipped with two auxiliary relays (Form C relays) which activate during a cutband alarm.

Indoor/Outdoor Remote Keypad

The A05030900 Remote Keypad is used to perform all of the functions of the Exit Panel keypad at an additional location. Typically, the Remote Keypad is mounted on the opposite side of the wall from the Exit Panel to allow for escort and reset functions from either side of the door. The Remote Keypad receives its power from the Exit Panel connected to it. The keypad only offers an input to the Exit Panel. It does not offer any internal relays or timers.

The Indoor/Outdoor (NO) Push Button

The A04150900 Normally Open Push Button can be interfaced to any U-DE or Kinder Guard Exit Panel. It is used to bypass the panel. Usually the Push Button is mounted on the other side of the door to allow access from the other side of the door. The Push Button can only reset an alarm condition in advanced push button mode.

Basic Installation of Mounting Enclosures

Surface Mount Enclosure (EXIU, Door GUARDIAN and KinderGUARD Exit Panels)

The surface mount enclosure is designed to be mounted on the wall adjacent to the exit to be monitored. It mounts using the screws, anchors, and strain relief provided with the enclosure. Wiring may be routed through one or more of the three provided knockout locations or through surface mounted non-metallic conduit into the knockouts on the top of the enclosure. The center of the enclosure should be mounted 48" above the floor in accordance with ADA requirements.

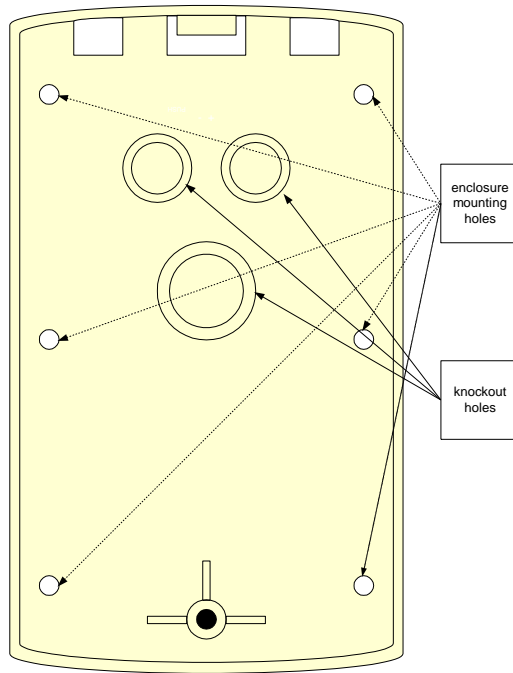


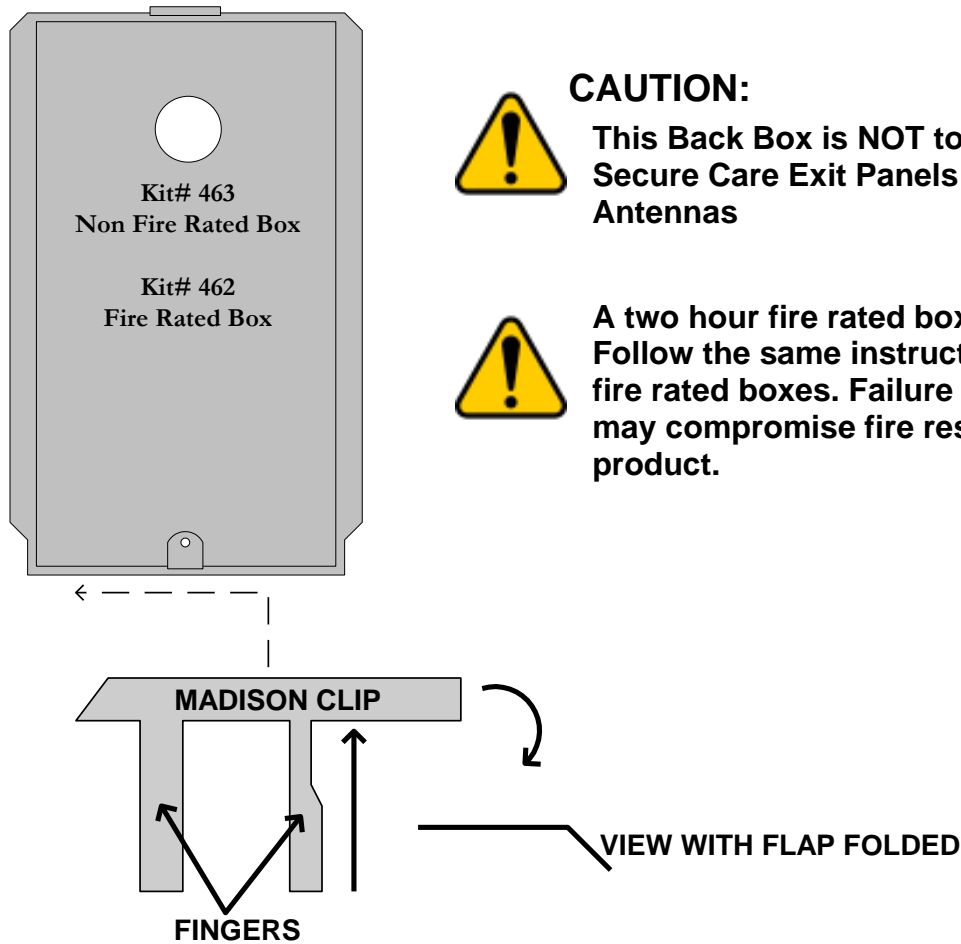
Figure 8-1 Surface Mount Enclosure for Exit Panels

After routing wires appropriately to the enclosure location, use the enclosure as a template to mark and drill for the six anchor locations. Drill a $\frac{1}{4}$ " hole for each anchor location and install plastic anchors provided. Apply strain relief connectors to the required knockout locations. Route wires through the strain relief connector. Tighten strain relief connector around the wires. Wires should withstand 35 pounds of pull force without slipping through connector. Use the #10 X 1" stainless steel, pan head, sheet metal screws provided to mount the enclosure to the wall.

NOTE: Strain relief of routed cables is required to retain UL product listing. If above instructions are not followed, product listing is subject to removal.

Flush Mount Enclosure (EXIU, 500DE, and Universal Exit Panels)

The flush mount enclosure is designed to be mounted in the wall adjacent to the exit being monitored. It mounts using the Madison Clips, and strain relief provided with the enclosure. Wiring may be routed through one or more of the four provided knockout locations on the back, sides, or top of the enclosure. The center of the enclosure should be mounted 48" above the floor in accordance with ADA requirements.



BEND FLAP DOWN THEN INSERT THE MADISON CLIP BETWEEN THE BOX AND SHEETROCK SLIDING THE CLIP ALL THE WAY TO THE END IN THIS CASE TO THE LEFT. THEN FOLD THE TWO FINGERS UP INTO THE BOX. DO THE SAME TO ANOTHER MADISON CLIP FOR THE TOP OF THE BOX SLIDING THE CLIP TO THE OPPOSITE SIDE OF THE FIRST CLIP.

Figure 8-2 Flush Mount Enclosure

After routing wires to the enclosure location, use the enclosure as a template to mark and cut the wallboard for inserting the enclosure. Apply strain relief connector to required knockout locations. Route wires through strain relief connector. Tighten strain relief connector around the wires. Wires should withstand a pull of 35 pounds without slipping through the connector. Insert the enclosure into the wall.

NOTE: Strain relief of routed cables is required to retain UL product listing. If above instructions are not followed, the product UL listing is subject to removal.

Flush Mount Enclosure (A02040901 LED Nurse Station Box Shown)

This flush mount enclosure should be mounted in a convenient location for monitoring by facility staff. It mounts easily using the Madison clips provided. Knockouts for wire entry are available in all four sides and back of the enclosure. Use the strain relief cable clamp provided for wire entry.

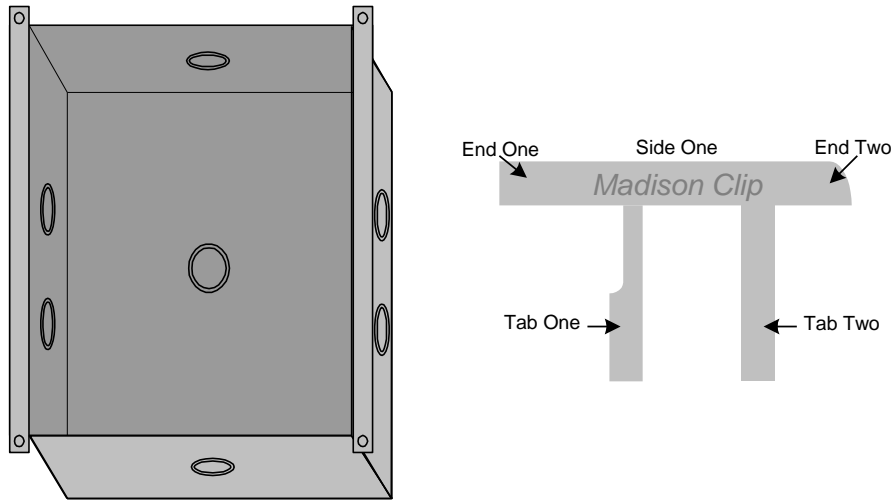


Figure 8-3 Flush Mount Enclosure for 8 Channel Nurse Stations

(Standard Box Kit #449 shown)

Use the enclosure as a template and cut a hole in the wallboard for inserting the enclosure. Pull the wires through the cable clamp and install the enclosure in the wall. A maximum of six wires may be pulled through each 1/2" cable clamp. Tighten the strain relief connector around the wires. The wires should withstand 35 pounds of pull force without slipping through the connector. Use the two Madison clips on the top and bottom to secure the enclosure as follows. Bend end two up at a 45° angle. Insert side one into the gap (keeping end two up) between the wallboard and the enclosure top. Slide end one of the Madison clip left or right until clip meets the far extent of enclosure hole. Keeping outward pressure on the Madison clip, bend tab one and tab two 180° into the enclosure and flatten with pliers. Follow the same procedure on the bottom of the enclosure with the second Madison clip, but slide the clip to the opposite side of the enclosure hole and keep end two down. Follow the same procedure to install all flush mount metal boxes. Use the following boxes as required for flush mount installations:

Product	Standard Box Kit	Fire Rated Box Kit
Fire Rated Box Kit	463	462
4 Channel Nurse Station	A10000210	A10000211
8 Channel Nurse Station	449	A04490209

NOTE: Strain relief of routed cables is required to retain UL product listing. If above instructions are not followed, product listing is subject to removal.

Surface Mount Enclosure (A02040901 LED Nurse Station Annunciator)

This surface mount enclosure should be mounted in a convenient location for monitoring by facility staff. It mounts easily using the Madison clips provided. Knockouts for wire entry are available in all four sides and back of the enclosure. Wiring may be routed through one or more of the six provided knockout locations or through surface mounted non-metallic conduit into the knockouts on the top or bottom of the enclosure. Use the strain relief cable clamps provided for wire entry.

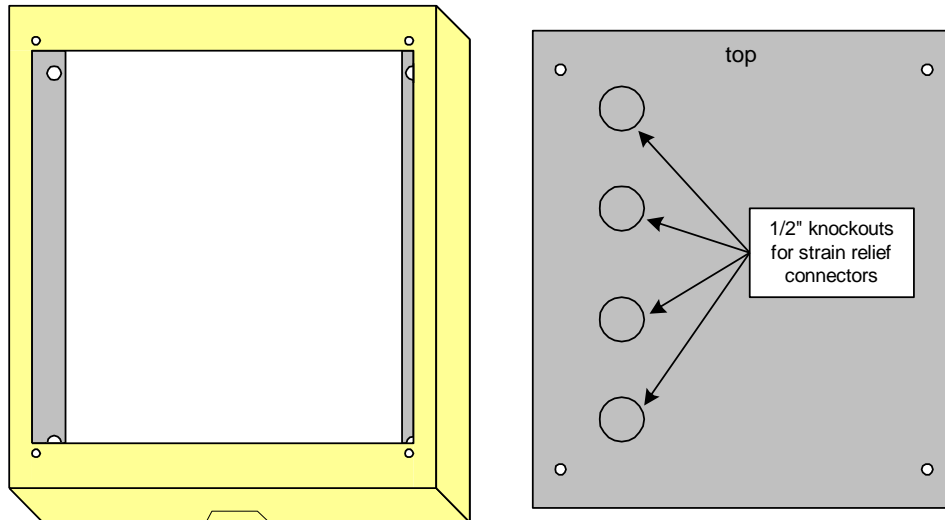


Figure 8-4 Surface Mount Enclosure for Nurse Stations

Use the back plate as a template and mark four mounting holes. Drill a $\frac{1}{4}$ " hole for each anchor location and install the plastic anchors provided. Apply the strain relief connector to required knockout locations. Route the wires through strain relief connector. A maximum of six wires may be pulled through each $\frac{1}{2}$ " cable clamp. Tighten the strain relief connector around the wires. The wires should withstand 35 pounds of pull force without slipping through the connector. Use the #10 X 1" stainless steel, pan head, sheet metal screws provided to mount the enclosure and back plate to the wall. (NOTE orientation of back plate).

NOTE: Strain relief of routed cables is required to retain UL product listing. If above instructions are not followed, product listing is subject to removal.

Remote Annunciation

Remote annunciation provides a method of displaying alarm conditions in other facility locations, such as a nurse station or security office.

Nurse Station Annunciator

The Nurse Station Annunciator is a simple dry contact-driven series of LEDs and piezo sounders designed to show that a specific device is in an alarm state. The field device during an alarm condition provides a dry contact closure to the nurse station causing it to sound and flash the Red LED for that location

Each field device requires a two-conductor shielded home run (single length of wire from the beginning point to endpoint) without any breaks or splices. LED Nurse Stations.

NOTE: Nurse Stations Part #203 or #204 are not compatible with LED Nurse Stations, Part #'s A02030901 and A02040901

The 4 Channel Nurse Station Annunciators require mounting box A10000210 for flush-mounted applications and mounting box 401 for surface-mounted applications. The 8 Channel Nurse Station Annunciators require mounting box 449 for flush-mounted applications and mounting box 448 for surface-mounted applications.

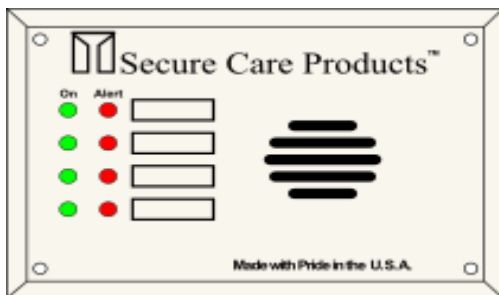


Figure 8-6 A02030901 and #203 Nurse Station Annunciator - Front

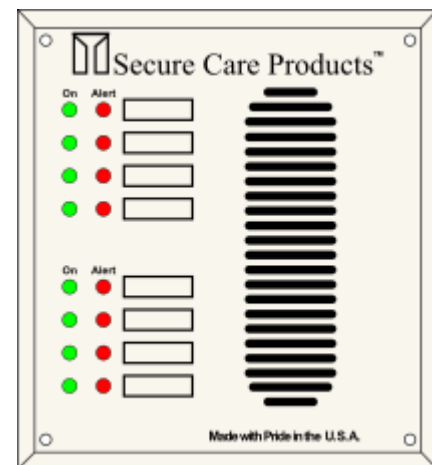


Figure 8-5 A02040901 and #204 Nurse Station Annunciator - Front

Note: The front faces of 4 Channel Nurse Stations Part Numbers #203 and A02030901 are identical.
The Front faces of 8 Channel Nurse Stations Part Numbers #204 and A02040901 are identical.

LED NURSE STATIONS #203 and #204 Wiring

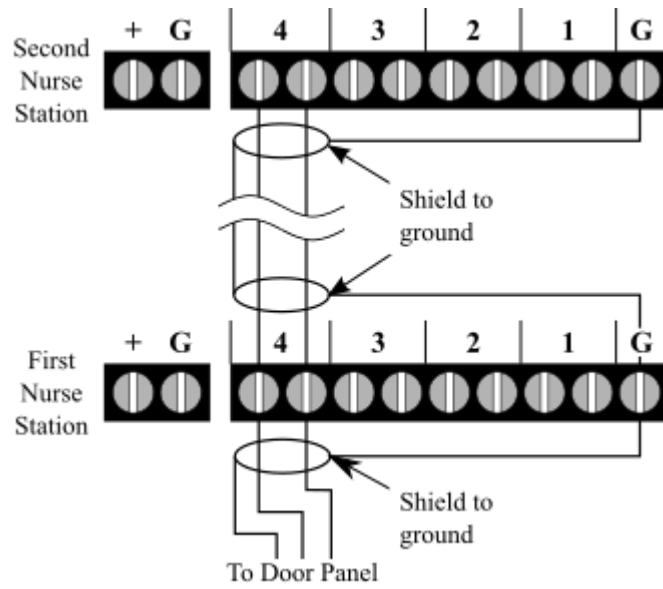


Figure 8-7 Nurse Station #203 and #204 Wiring



Figure 8-8 Back of 204 Nurse Station

The #203 and #204 nurse stations have wiring connections on the back of the panel.

LED Nurse Stations A02030901 and A02040901 Wiring

A02030901 and A02040901 Nurse Station's connectors are between the front face and back of the circuit

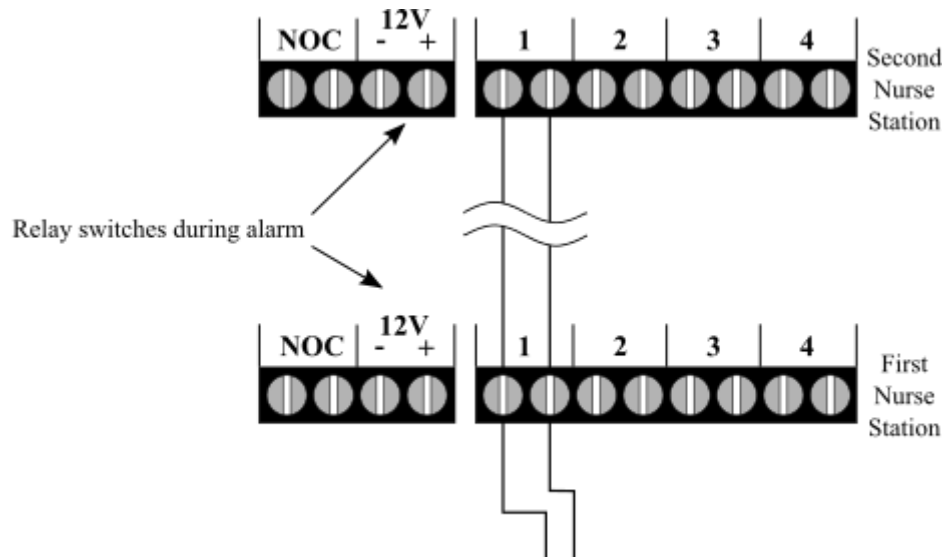


Figure 8-9 A02030901 and A02040901 Wiring

board. Removing the rear screws opposite the hinged offsets allows the panel's opening for servicing or wiring.

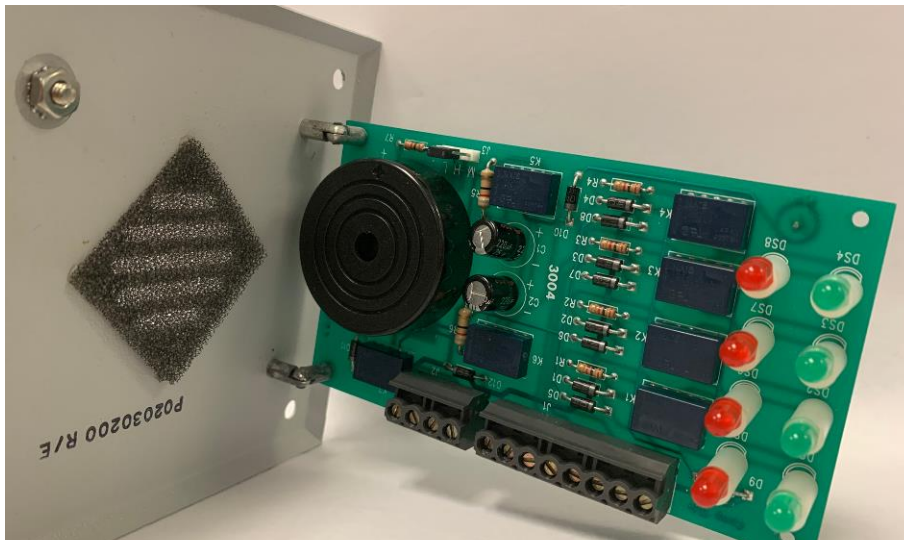


Figure 8-10 A0203091 Nurse Station Open Circuit board Example

EXIU to Secure Care Software Connections

Secure Care Software provides central monitoring of the Secure Care Products security devices installed in a facility. The software runs on ordinary Windows-based personal computers. Secure Care Software shows all activities on detailed floor maps of the facility. Device images on a floor map are mapped to the devices they represent so that Secure Care Software can manipulate the image in response to events and status changes involving the device.

The software receives communications from field installed devices via a communication hub device known as an "EXIU". The EXIU provides communication from field devices using RS-485 architecture. This architecture will be referred to the "CAN bus" throughout this manual. The EXIU connects to a router then to a network

connection on the back of the computer loaded with the Secure Care Software using a standard Type B Cat5 Network cable.

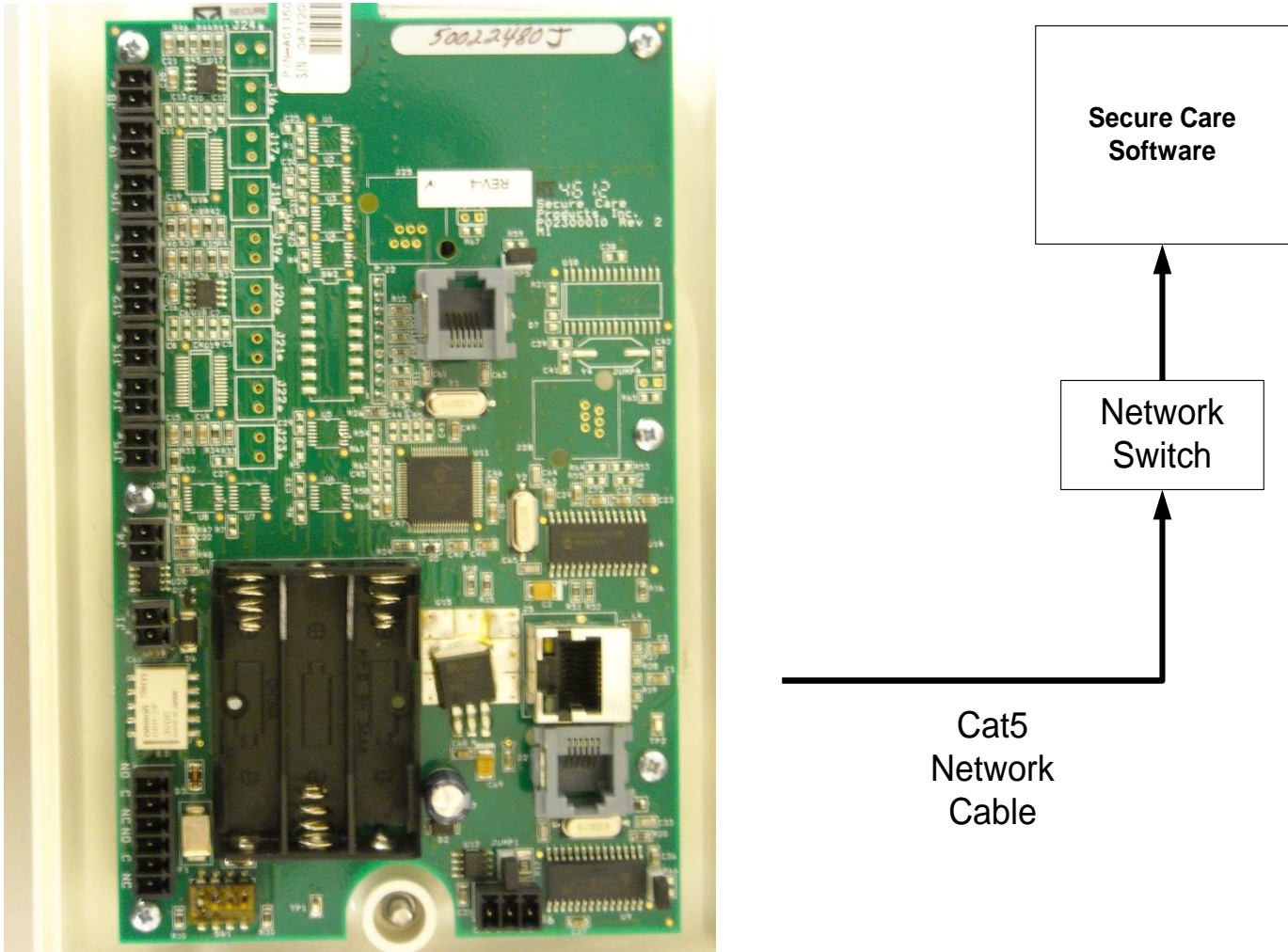


Figure 8-11 EXIU to Computer Connection

Interfacing a Magnetic Lock to the U-DE Exit Panel

How the U-DE Exit Panel interfaces with a magnetic lock.

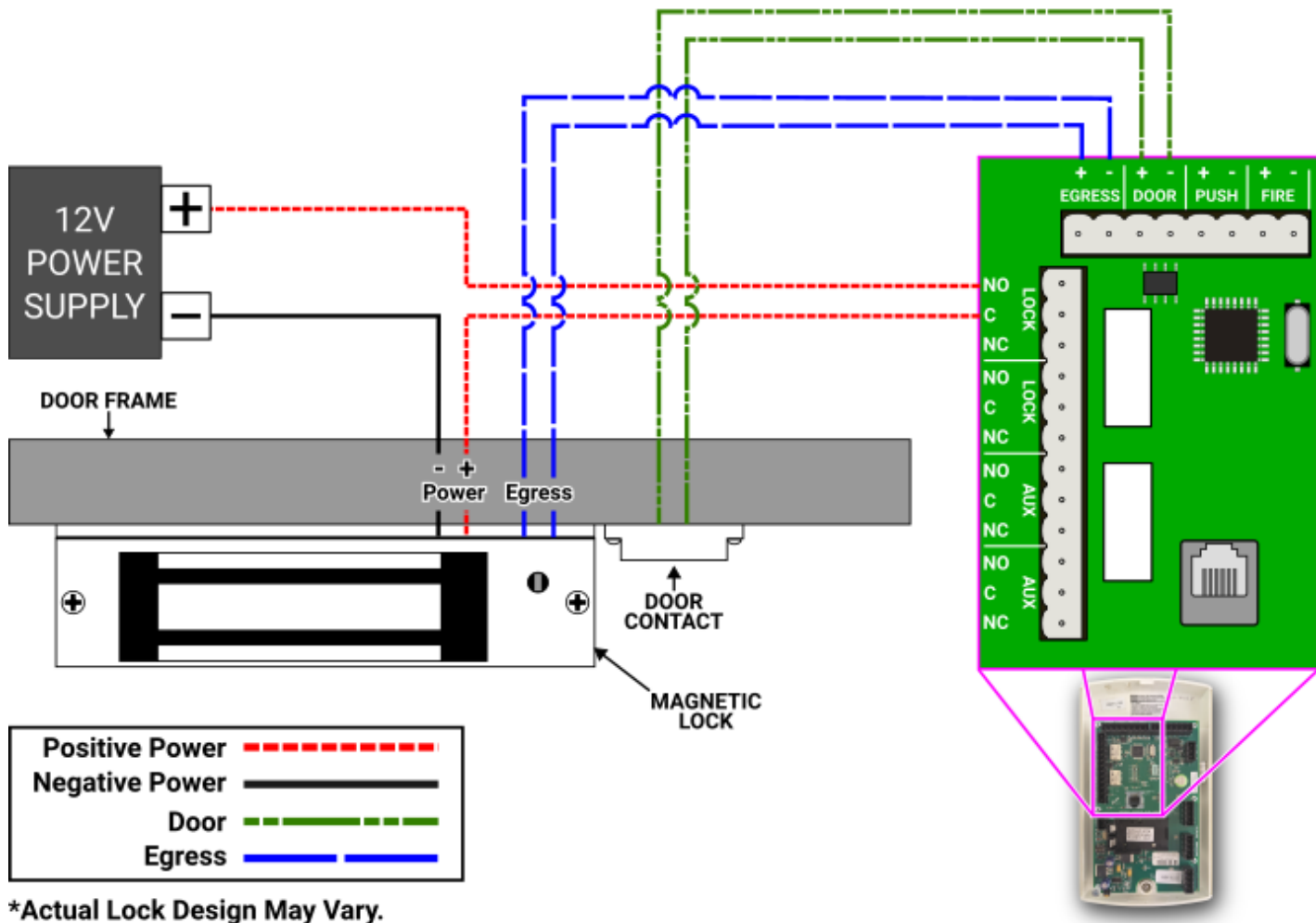


Figure 8-12 Maglock Wiring for U-DE Panel

NOTE: Please refer to the manufacturer's specifications and instructions for installing the maglock before installation.

Interfacing Two Magnetic Solutions Locks

The U-DE Exit Panel interfaces with two Magnetic locks.

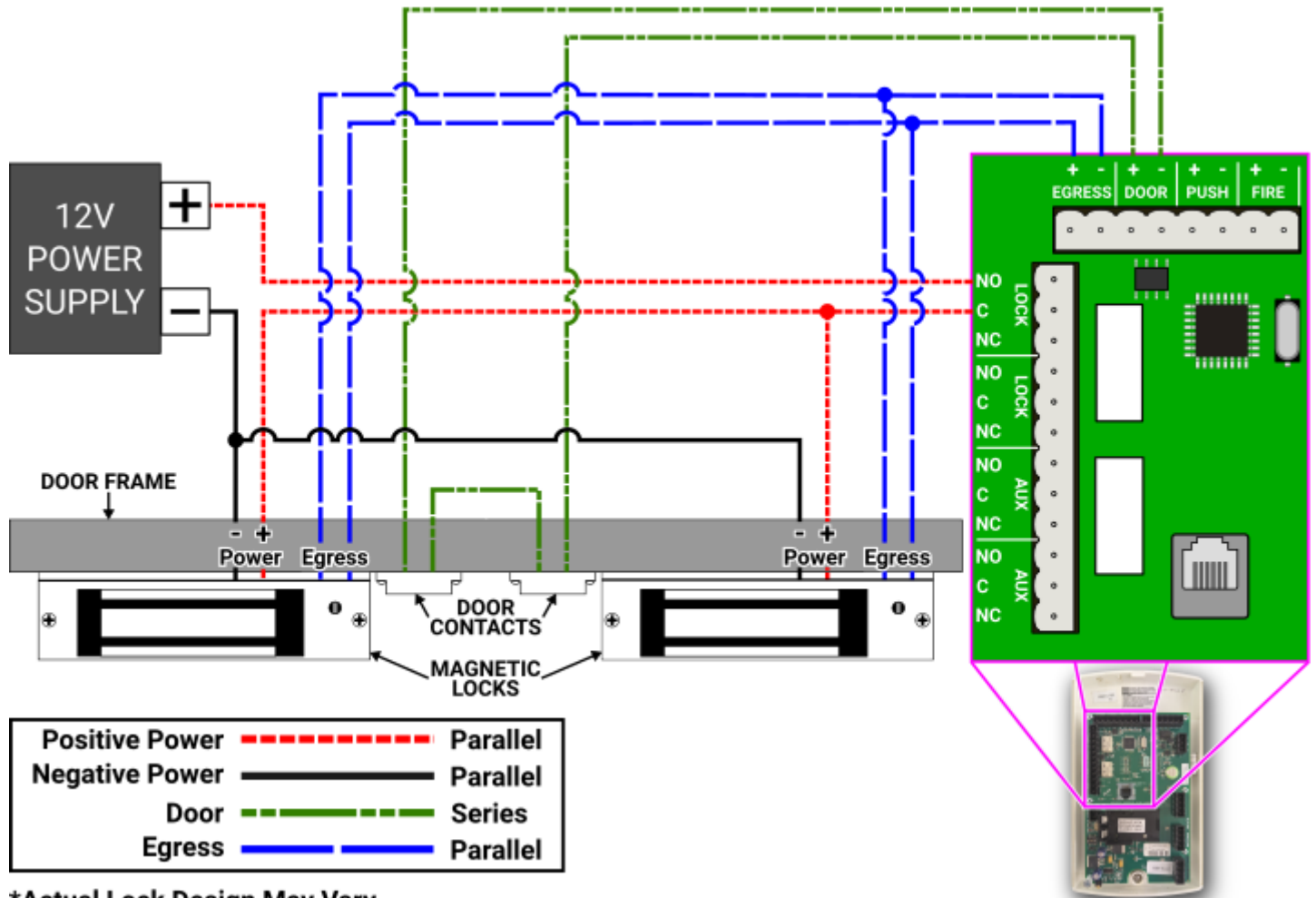


Figure 8-13 Dual Maglock Wiring for Universal Series Panel

NOTE: Please refer to the maglock's specifications and instructions before installing.

Interfacing the Push Button and Remote Keypad

The U-DE Exit Panel interfaces with a normally open, non-latching Push Button and an SCP Remote Keypad. The connections for these devices are shown below in Figure 8-14.

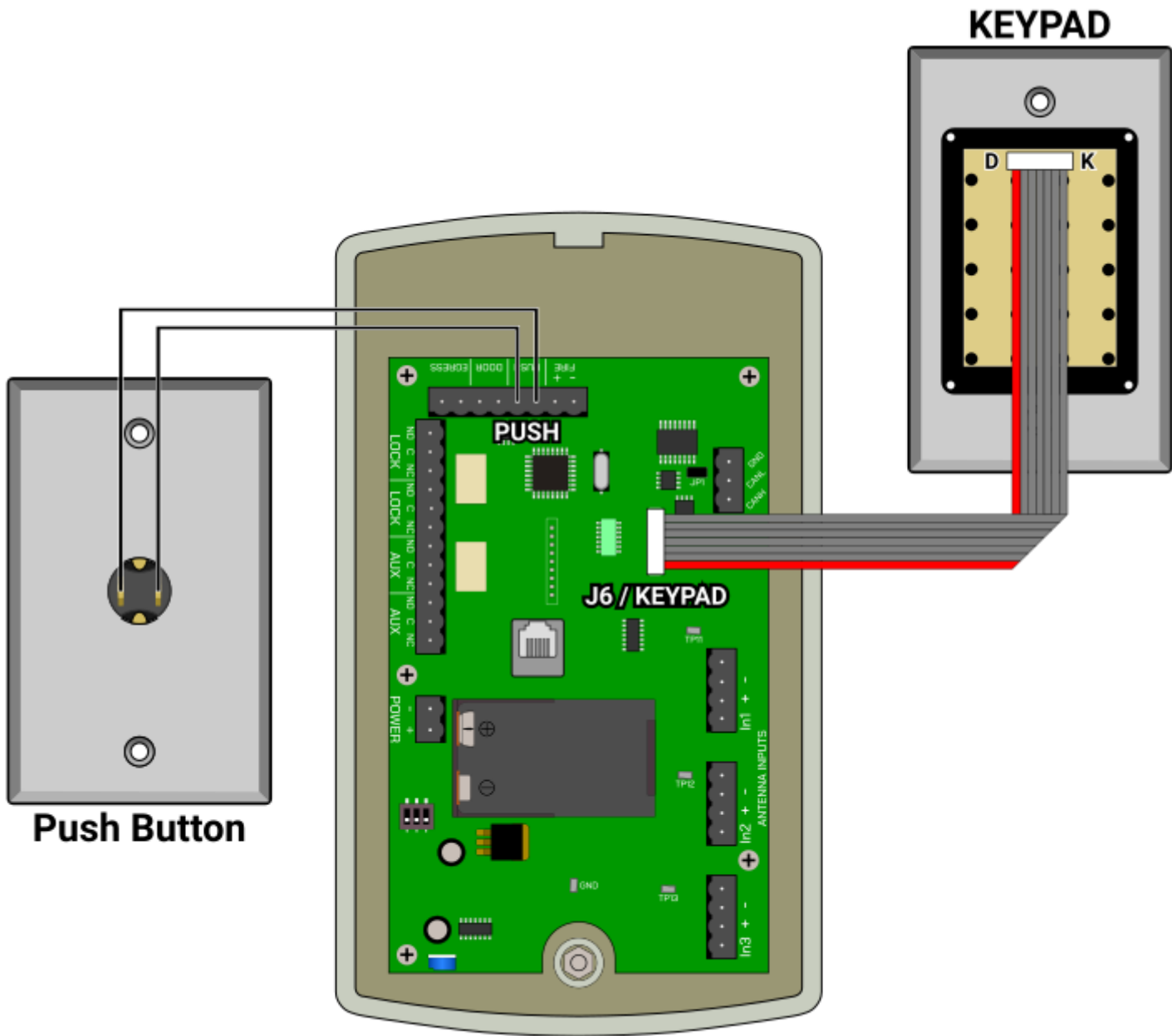


Figure 8-14 Push Button and Remote Keypad to U-DE Exit Panel Connection

Delayed Egress and Fire Alarm Connections

Each of our panels has a delayed egress connection and a fire alarm connection per Life Safety Code 101 and NFPA code 101. The fire alarm panel connection is designed to disengage the magnetic lock in the event of a fire alarm. The delayed egress connection will sense when pressure is applied to the door, releasing the magnetic lock 15 seconds later. Connect the red wire from your fire alarm relay (dry contact) to the positive reference termination on the panel; connect the black wire from your fire alarm relay (dry contact) to the negative reference termination on the panel. When connecting the delayed egress (1), simply connect both leads from the lock to the panel. Polarity does not matter. Connections are shown in Fig. 9-10.

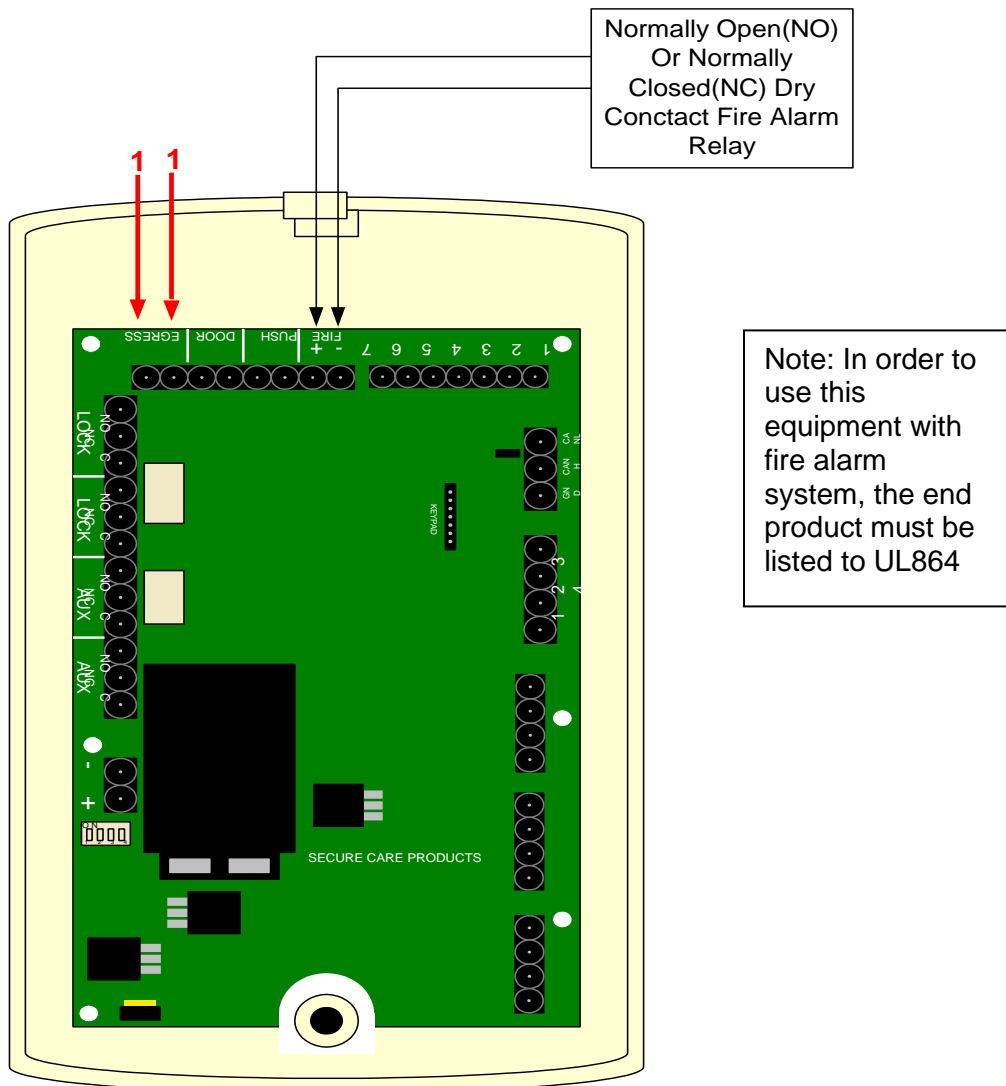


Figure 8-15 Delayed Egress and Fire Alarm Connections

U-DE Exit Panel to Ext. Receiver Connections

Enabling the External Receiver, or range adjustment is done through the keypad on the Universal U-DE Exit Panel.

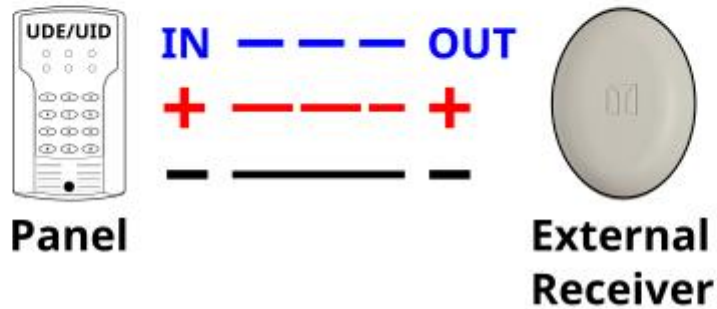
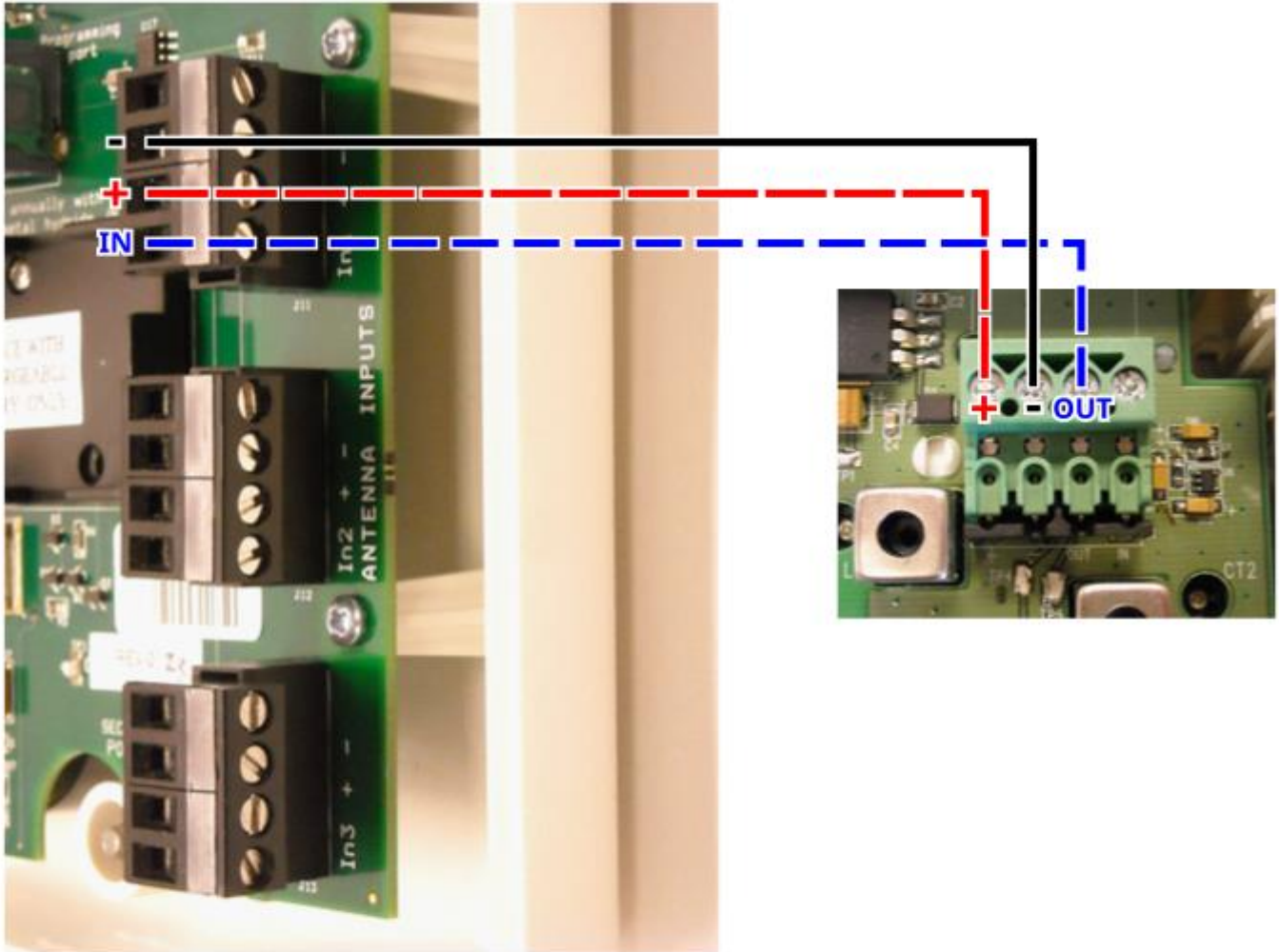


Figure 8-16 U-DE Exit Panel to Ext. Receiver Connections

Multiple External Receiver Connections

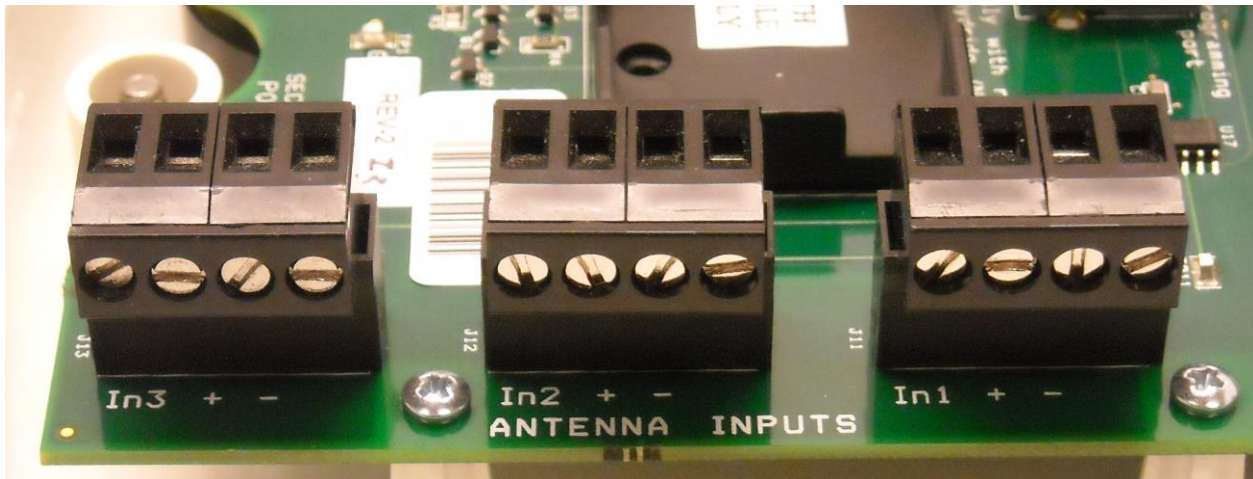


Figure 8-17 Multiple Ext. Receiver Connections

The Universal Exit differs from the 135 series exits with regards to receiver installation and programming. It has no on-board receiver and depends solely on External Receivers for transmitter detection. The Universal Exit can accommodate up to three External Receivers on three independently programmable inputs. This allows the user to set receiver thresholds (range) for each receiver to different values. In turn a more flexible and customizable coverage area is possible. More in-depth instructions on the U-DE External Receiver please refer to the U-DE External Receiver Manual that came with the External Receivers.

430 kHz External Receiver

430 kHz External Receiver Function

NOTE: Before the 430 External Receiver can be used it must be enabled on the Universal Exit Panel. See Programming section for instruction.

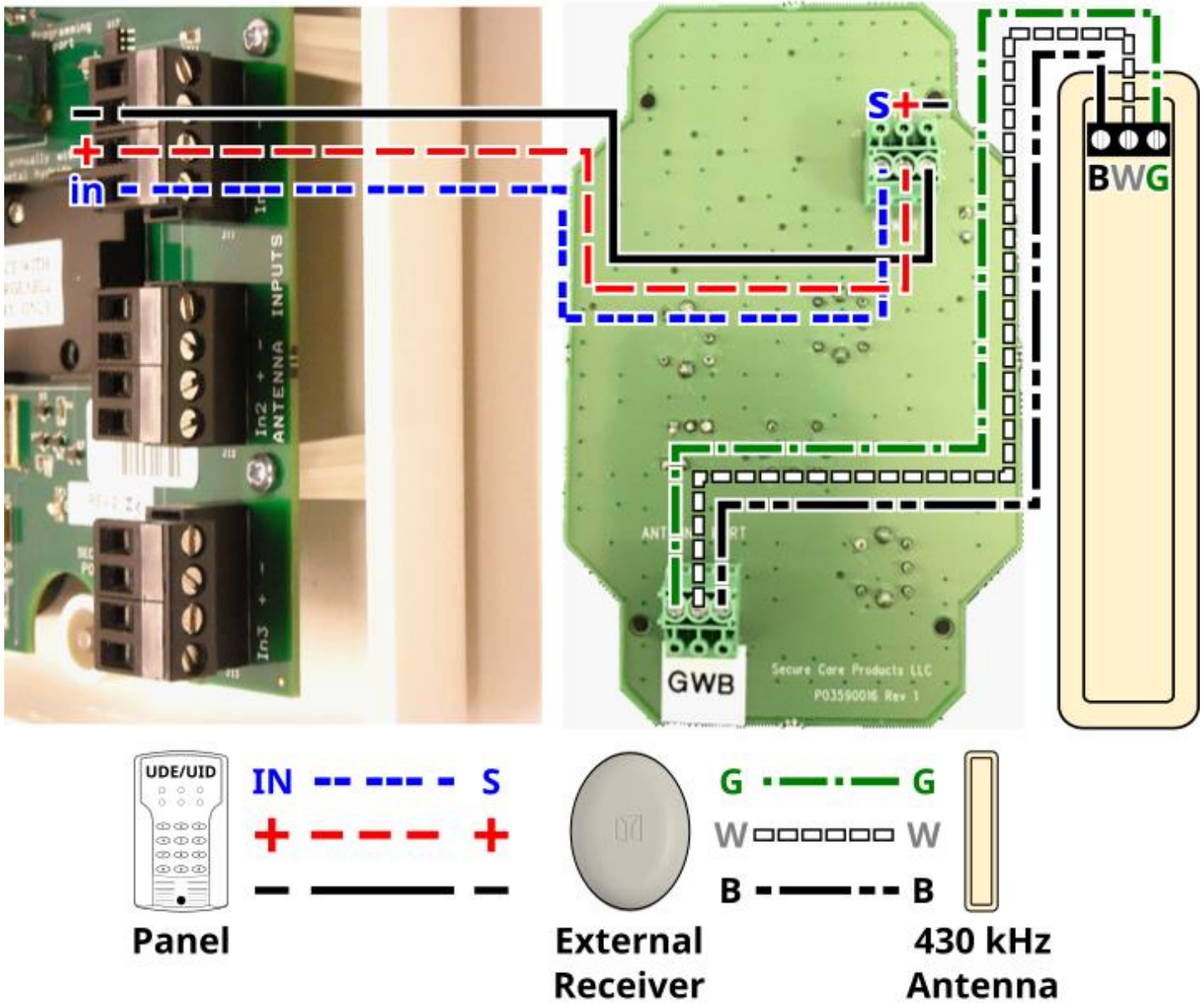


The 430 kHz Receiver Option will only work on an Exit Panel configured as a Non-ID panel.

In addition, the Exit Panel Software version should be 4.689 or later in order to have the 430 kHz option available.

Please see the [430 kHz External Receiver Installation Manual](#) for more detailed information.

430 kHz External Receiver Connections



NOTE: Before adjusting antenna range settings enter *309*9876543211 to enable 430 kHz mode.

Figure 8-18 UDE to 430 kHz receiver connection

9. PROGRAMMING INSTRUCTIONS

NOTE: The PM mode must be disabled to make any programming changes to the Universal U-DE Exit Panel. Refer to PM Programming in this section of the manual.

All programming is stored in non-volatile memory. This means that if the panel loses power, the programming will remain in memory.

Reset Escort Codes

Each Universal U-DE Exit Panel offers four separate four digit codes for escorting transmitters legally through a protected doorway or hallway, or resetting an alarm condition created by the presence of a transmitter while the exit door is open or hallway perimeter is breached. These three codes are referred to as the Primary, Secondary, and Tertiary. The Primary and Tertiary codes allow for resetting alarm conditions and escorting transmitters through protected areas when the Advanced Security Mode is not used (refer to programming the Advanced Security Mode for more operation details of that feature). The Secondary code allows for resetting, escorting, and programming in all conditions. This code allows transmitters to be escorted through a protected area while Advanced Security Mode is active.

Primary Code (any three digits preceded by *). **Factory Default** ***234**

To change the Primary code, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or currently programmed Secondary code
- 2 Enter *9876543210#
- 3 Enter new three digit code.
 - One confirmation beep = Change Accepted

Secondary Code (any three digits preceded by *) **Factory Default** ***567**

To change the Secondary code, follow the three listed steps without pausing for greater than one second between keystrokes. **Once the Secondary code is changed this new number becomes the new programming code.**

- 1 Enter *567 or currently programmed Secondary code
- 2 Enter *9876543211#
- 3 Enter new three digit code.
 - Two confirmation beeps = Change Accepted

NOTE: To Default Secondary code only Enter *309*9876543212

Tertiary Code (any three digits preceded by *). **Factory Default** ***751**

To change the Tertiary code, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or currently programmed Secondary code
- 2 Enter *9876543212#
- 3 Enter new three digit code.
 - Three confirmation beeps = Change Accepted

Delayed Egress Activation Time

Each Universal U-DE Exit Panel controlling an electromagnetic lock has a required time period for pressure applied to a door to activate the delayed egress release feature as required by NFPA 101. Refer to the NFPA 101 Life Safety Code or your local Fire Marshall/Safety Inspector for guidance on local requirements. This feature allows you to modify the time necessary to apply the constant even pressure upon the door to activate the delayed egress alarm mode. The four options below are 3 sec., 2 sec., 1 sec., and 0 sec. Changing the activation time from factory default should be done only after permission is granted by the local authority having jurisdiction.

Delayed Egress Activation Time

Factory Default

3 Seconds

To change the activation time to 3 seconds, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#753**
 - Three confirmation beeps = change accepted
 - No confirmation beep = change not accepted

To **change** the activation time to **2 seconds**, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#852**
 - Two confirmation beeps = change accepted
 - No confirmation beep = change not accepted

To **change** the activation time to **1 second**, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#951**
 - One confirmation beep = change accepted
 - No confirmation beep = change not accepted

To **change** the activation time to **0 seconds**, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#580**
 - Four confirmation beeps = change accepted
 - No confirmation beep = change not accepted

Delayed Egress Volume

Factory Default

Noisy

Beeping during the nuisance section of delayed egress is now selectable.

(Default setting is nuisance noisy)

- 1 Enter ***567** or currently programmed secondary code
- 2 To make nuisance quiet enter ***9876543217#777**
 - Two Confirmation beeps = quiet
- 3 To make nuisance noisy enter ***9876543217#707**
 - One conformation beep = noisy

Latching Delayed Egress

Each Universal U-DE Exit Panel controlling an electromagnetic lock has a required time period for pressure applied to a door to release the locking feature as required by NFPA 101. This feature, when enabled, allows the door to remain unlocked once the delayed egress feature is activated until an authorized reset code is entered into the Exit Panel.

Latching Delayed Egress

Factory Default

Disabled

To enable the latching delayed egress feature, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#999**
 - Four confirmation beeps = change accepted

To **disable** the latching delayed egress feature, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#909**
 - Three confirmation beeps = change accepted

Irrevocable Latching Delayed Egress

The Universal U-DE Exit Panel has an irrevocable latching delayed egress. When enabled, this feature will, in the presence of a transmitter and the activation of the nuisance alarm, unlock the door and keep it unlocked with an audible alarm until a reset code is entered. Once the delayed egress cycle has been activated, the door will not reset itself even if the transmitter is taken out of the detection range.

Irrevocable Latching Delayed Egress

Factory Default

Disabled

To **enable** the irrevocable latching delayed egress, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#888**
 - Four confirmation beeps = enabled

To **disable** the irrevocable latching delayed egress, follow the three listed steps without pausing for greater than one second between keystrokes

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543217#808**
 - Three confirmation beeps = disabled

No Code/ Irrevocable Delayed Egress

Each Exit Panel controlling an electromagnetic lock has a required time period for pressure applied to a door to release the locking feature as required by NFPA 101. Refer to the NFPA 101 Life Safety Code or your local fire Marshall/safety inspector for guidance on local requirements. This feature, when enabled, will continue with the delayed egress after the activation time is passed. No Code will stop or reset the delayed egress until the door is opened and then closed. At this time you can reset the delayed egress.

No Code/ Irrevocable Delayed Egress

Factory Default

Disabled

To enable the No Code/ Irrevocable delayed egress feature, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or the currently programmed secondary code
- 2 Enter *9876543217#666
 - Three confirmation beeps or blinks = change accepted

To **disable** the No Code/ Irrevocable delayed egress feature, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or the currently programmed secondary code
- 2 Enter *9876543217#606
 - One beep/blink confirmation = change accepted

Disable Delayed Egress



Approval is needed from your local Fire Marshall/Safety Inspector prior to this feature being enabled. With this feature enabled an exit will not go into delayed egress when there is a transmitter being detected at the exit. This will also occur if the exit is experiencing RF interference.

Disable Delayed Egress

Factory Default

Disabled

To enable the Disable Egress Feature.

- 1 Enter *567 or the currently programmed secondary code
- 2 *9876543217#555
 - Four confirmation beeps = change accepted

To **disable** the Disable Egress Feature.

- 1 Enter *567 or the currently programmed secondary code
- 2 *9876543217#505
 - One confirmation beep = change accepted



The Escort Only Code and the Disable Delayed Egress features are NOT to be used at the same time. If a transmitter is near a door that is in alarm, the door will be locked and the Disable Delayed Egress feature and the Escort Only Code will not allow the exit to be unlocked. In addition you will not be able to exit the door using the Primary or Tertiary Codes with this feature enabled. The only code that will work is the Secondary Code.

Elevator Mode

In default operation, the AUX relay will operate normally, the NO relay will CLOSE and the NC relay will OPEN during alarms. The relays will also remain in their default states if the Universal U-DE Exit Panel loses all power. When the Elevator Mode feature is enabled, the AUX relays will operate normally but if the Universal U-DE Exit Panel loses power, the AUX relays will change state. This feature only affects the AUX relays when the power is powered down.

Elevator Mode

Factory Default

Disabled

To **enable** the elevator mode

- 1 Enter ***567 *0** hold the 0 until 1 beep is heard

To **disable** the elevator mode

- 2 Enter ***567 *0** hold the zero until 2 beeps are heard

When the elevator mode feature is enabled the AUX relays will change to the alarm state when the panel loses power. (Relays will change state).

Fire Alarm Input Selection

Fire Alarm

Factory Default

Normally Open

To **change** the fire alarm input between normally open and normally closed:

Normally Open fire alarm contact active (looking for a closure from the Fire Alarm Relay to unlock doors)

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543216#000**
- 3 Two confirmation beeps = change accepted
 - One confirmation beep = change not accepted

Normally Closed fire alarm contact active (looking for an open from the Fire Alarm relay to unlock the doors)

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***9876543216#001**
- 3 Three confirmation beeps = change accepted
 - One confirmation beep = change not accepted

Latching Fire Alarm

Latching Fire Alarm

Factory Default

Disabled

To **enable** the Latching Fire Alarm

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***567*9876543216 #999**
 - Four confirmation beeps = change accepted
 - One confirmation beep = change not accepted

To **disable** the Latching Fire Alarm

- 1 Enter ***567** or currently programmed secondary code
- 2 Enter ***567*9876543216 #909**
 - Five confirmation beeps = change accepted
 - One confirmation beep = change not accepted

Locking of Life Safety 101 Features

This feature will lock the delayed egress and fire alarm settings. This feature is **NON REVERSIBLE** and cannot be undone by initializing the panel. Make sure the Life Safety 101 features are correct and meet your local authorities' requirements before locking the feature. To undo this feature the panel will have to be sent back to Secure Care Products, LLC. to be reprogrammed at the standard repair fee.

- 1 Enter *309*9876543219

Software Version

To **verify** the software version:

- 1 Enter *567*2 and hold
- 2 Count each series of beeps. The 4 series of beeps will represent the 4 digit software version number.
 - **Example:** 2 beeps pause, 5 beeps pause, 10 beeps pause, 10 beeps indicates version 2.500.

Loiter Alarm

This feature, when programmed and enabled, allows the Universal U-DE Exit Panel to create a unique audible alarm indicating a transmitter is in proximity of a monitored door for too long. If the transmitter were to leave the monitored area after the alarm sounds, the alarm would reset automatically without staff intervention.

Loiter Alarm

Factory Default

Disabled

To **enable** loiter alarm feature follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *9876543218#999
 - Four confirmation beeps = change accepted

To **disable** loiter alarm feature follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 currently programmed secondary code
- 2 Enter *9876543218#909
 - Three confirmation beeps = change accepted

To **change** the time of loiter alarm feature in seconds, follow the three listed steps without pausing for greater than one second between keystrokes. Acceptable range of values: 15 seconds "015" 15 minutes "900"

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *9876543218#XXX (where "XXX" = time in seconds; example -30 sec. = "030", 3 min. = "180")
- 3 Two confirmation beeps = change accepted
 - One confirmation beep = change not accepted

Advanced Security Mode

In Advanced Security Mode the Primary Reset Code (*234 or equivalent) and Tertiary Reset Code (*751 or equivalent) will not allow the escort of a monitored resident. The Primary Reset Code may still be used to reset an alarm condition. If a Push Button is used in Advanced Security Mode, it will not allow access while a monitored resident is within the detection range. An audible alarm will sound while the Push Button is pressed and a monitored resident is nearby. In the absence of a monitored resident the Push Button and Primary Reset Code will work as usual. Enabling the Advanced Security Mode feature has no effect on the Secondary Reset Codes (*567 or equivalent) operation.

Advanced Security Mode

Factory Default

Enabled

To **enable** the advanced security mode, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed Secondary code
- 2 Enter ***9876543215#999**
 - Four confirmation beeps = change accepted

To **disable** the advanced security mode, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter ***567** or currently programmed Secondary code
- 2 Enter ***9876543215#909**
 - Three confirmation beeps = change accepted

Enable/Disable the Signal LED

This command will disable the yellow transmitter detected indicator on the exit panel. This may help prevent wearers of the motion detect transmitters from watching the indicator and then attempting to exit the door.

Enable/Disable Signal LED

Factory Default

Enabled

To **Enable** or **Disable** the Signal LED on the ID Exit Panel

- 1 Enter ***567*6** and hold the 6
 - 2 Beeps – Signal LED disabled
 - 1 Beep – Signal LED enabled

Enable/Disable 430 kHz External Receiver

NOTE: Before the 430 External Receiver can be used it must be enabled on the Universal Exit Panel. The 430 kHz Receiver Option will only work on an Exit Panel configured as a Non-ID panel. In addition, the Exit Panel Software version should be 4.689 or later in order to have the 430 kHz option available.

Enable/Disable 430 kHz External Receiver

Factory Default

Disabled

To Enable the 430 External Receiver:

- 1 Enter ***309*9876543211**
 - 1 beep means Enabled
 - 2 beeps means Disabled
 - 3 beeps means Invalid Entry

Antenna Range Adjustment

The Universal Exit differs from the 135 and SC-40 series exits with regards to receiver installation and programming. It has no on-board receiver and depends solely on External Receivers for transmitter detection. The Universal Exit can accommodate up to three External Receivers on three independently programmable inputs. This allows the user to set receiver thresholds (range) for each receiver to different values.

Each door system installation will be unique in many ways. Consider all of the local environmental factors of construction around the system location; the types of materials used, the construction methods used, and amount of foot traffic around and through the door area. Each system will require tuning for the required coverage at each location independently. The following steps will guide you during the adjustment.



While you are in the Antenna adjustment mode the lock relays and door contacts are bypassed to make tuning easier on high traffic doors.

After installing the required number of receivers (1-3), the Universal Exit Receivers are configured as follows:

Use the keypad to enter ***567*9876543219** to access receiver adjustment mode. 5 beeps confirm you are ready to configure your receiver(s).

Select the receiver (1, 2 or 3) you wish to configure by pressing the corresponding key **(1, 2 or 3)**. You must hold this key until the exit responds with 4 beeps.

Receiver range is adjusted by entering ***xxx**. 1 beep confirms the range change was accepted. The xxx is a number corresponding to the range. This is an inverse relationship, so the higher the number, the lower the range.

The receiver is enabled by pressing the **5** key. 1 beep confirms this change.

The receiver is disabled by pressing the **6** key. 2 beeps confirm this change.

Pressing the **0** key initiates a report of the 3 digit threshold level pertaining to the receiver you are currently configuring. The three digit report format is a number of beeps (first digit) followed by a brief pause, more beeps (second digit) and another pause then a final series of beeps (last digit). A 0 in this report is represented by 10 beeps

At any time you can press the # key to exit adjustment mode. If no **valid** (4, 7, 8 and 9 are not valid in this mode) keys are pressed in a one minute span the exit will automatically exit adjustment mode. 3 beeps confirm exit from adjustment mode.

Take the transmitter and hold it in its proper orientation against the top of a tester. Ensure that it displays its ID 6000 and TX OK.

Enter the programmed security code ***23456** wait for Enable then press the # key on the tester.

Max Range Adjustment

Secure Care Products has added a new feature to the Universal Exit Panels manufactured after April 2017 called **Max Range Adjustment**. This feature automatically sets the noise threshold for external receivers to provide the maximum transmitter detection range for the given environment. It does this by analyzing the noise on all external receiver inputs to the Universal Exit panel and then sets the threshold levels to just above the noise floor.

- Some additional manual adjustments may be required to meet the needs of different environments.
- Care should be taken to make sure no active transmitters are in range while performing this operation.
- To use this feature verify the external receivers that will be used at this location are wired to the Universal Exit Panel. And verify any unused receiver inputs are disabled.

To enable the receiver Max Range Adjustment mode.

- 1 Enter *567 or current secondary code
- 2 Enter *9876543219
 - 5 beeps confirms you are ready to configure your receivers(s).
- 3 Press the number **8**
 - 1 confirmation beep.

The exit panel has now set the thresholds of the external receivers to a level just above the noise floor for the maximum detection range for the given environment.

Advance Push Button Mode



Only use this feature when the door that you are using this feature for is visible from the location of the Pushbutton!

With Advance Push Button Mode enabled and depending on the level of the Advance Push Button Mode you select will allow you to do one of the following. This feature will not affect the Advance Security Mode.

To Select Advance Push Button Mode

Advanced Push Button Mode

Factory Default

Disabled

- 1 Enter *567*8 and hold the **8**
 - **2 Beeps** – Can clear the alarms but not allow transmitters to be escorted

If there is an alarm at the panel it can be cleared by pressing the pushbutton once.

- 1 Enter *567*8 and hold the **8**
 - **3 Beeps** – Can clear alarms and allow transmitters to be escorted

To unlock a door when there is an alarm at the door then press the pushbutton twice, once to clear the alarm and once to unlock the door

- 1 Enter *567*8 and hold the **8**
 - **4 Beeps** – Cannot clear alarms but will allow transmitters to be escorted

To escort a resident with a transmitter by pressing the button once.

- 1 Enter *567*8 and hold the **8**
 - **1Beep** – Advance Push button Mode is Disabled

Date Time Change

To change just the day and time in PM programming for day light savings.

- 1 *567 * 9 8 7 6 5 4 3 2 1 hold 1 for one beep:
- 2 Press 1 – 7: to enter current day (Monday being 1 and Sunday being 7). 2 beeps
 - Enter 4 digit current times. (Example: 1500 hours is 3:00 pm) 3 beeps

When you are done entering the new day and time press # to exit the programming.

PM Mode Feature

The new PM Mode feature allows the user to select different Lock and Unlock times for different days of the week to automatically arm and disarm the door system. This will allow more control of unauthorized traffic through the protected door during those times.

PM Mode

Factory Default

Disabled

Note: All times are entered in Military Time and *567 is replaced with current secondary code if changed.

- 1 *567 * 9 8 7 6 5 4 3 2 1 hold 1 for one beep:
- 2 Press 1 – 7: to enter current day (Monday being 1 and Sunday being 7). 2 beeps
- 3 Enter 4 digit current times. (Example: 1500 hours is 3:00 pm) 3 beeps
- 4 Enter 1 – 7 (if you want individual times for different days of the week), or 0 (to program panel for every day)
 - 1 beep
- 5 Enter 4 digit unlock time. 2 beeps
- 6 Enter 4 digit lock time. 3 beeps
- 7 Repeat steps 4 - 6 if you are programming additional days of the week or press # to exit

If enabled the PM programming is set at factory default to lock down for 24 hours seven days of the week. If programming the panel for different days you must enter a lock and unlock time for each day of the week.

Example on Monday I don't want the door to lockdown at all so I will have to enter a time for a one minute lockdown: lock at 0100 and unlock at 0101.

To disable and enable PM mode

- 1 Enter *567 * 9 8 7 6 5 4 3 2 1 hold the 1 for one beep,
- 2 Press 9 to toggle PM mode on or off.
 - 5 beeps enabled
 - 3 beeps disabled

To check current times for PM mode

*567 * 9 8 7 6 5 4 3 2 1 and hold 1 for one beep:

Press 0: enter next code for time / date setting beep out. 1 beep feedback

Current Time	4096
--------------	------

Day Of Week	Lock Time Code	Unlock Time Code
Monday	4353	4097
Tuesday	4354	4098
Wednesday	4355	4099
Thursday	4356	4100
Friday	4357	4101
Saturday	4358	4102
Sunday	4359	4103

Testing the CAN Bus

To **test** the CAN bus connection:

- 1 Enter *567 or currently programmed secondary code
- 2 Press *1 and hold the 1 button down
 - One beep = the bus is not connected
 - Four beeps = communicating to at least one other device.

Setting Exit Panel ID Code

Each Universal U-DE Exit Panel requires its own unique ID code for reporting purposes on the CAN bus (if used). An event message will then be transmitted on the CAN bus beginning with the Exit Panel ID code followed by the message string. The Exit Panel ID is also supervised by the XIU for power. Only ID's 001-095 are valid ID codes.

Panel ID Code	Factory Default	255
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To **change** the panel ID code, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *9876543213#XXX (XXX = three digit number)
 - Two confirmation beeps = change accepted
 - Single confirmation beep = change declined

To **view** the panel ID code, follow the three listed steps without pausing for greater than one second between keystrokes.

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *9876543213#999.
 - The ID Code will be given in three series of blinks (# of blinks for number in the code, i.e. one blink = 1, etc... ten blinks = 0) separated by pauses.

Escort Pendant Enable/Disable

The Escort Pendant was designed to allow facility staff members to be able to put the Secure Care Products Universal U-DE Exit Panel into an escort mode without having to manually enter an authorized escort/reset code at the Exit Panel keypad. This allows for easier travel and movement of staff with residents or infants throughout the facility and covered (protected) areas.

Escort Pendant Feature	Factory Default	Disabled
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To Enable Escort Pendant Feature

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *567*9876543215#998
 - 4 beeps = enabled

To Disable Escort Pendant Feature

- 1 Enter *567 or currently programmed secondary code
- 2 Enter *567*9876543215#908
 - 3 beeps = disabled

Quick Lock Enable/Disable

The Quick Lock feature allows a user to lock all of the doors connected to a particular Ethernet Multiple Interface Unit (EXIU) with one key press. The zero (“0”) key on any exit panel that has the Quick Lock Feature enabled can be pressed and held to activate the Quick Lock mode and lock all of the doors.

- Any installed indoor/outdoor push buttons are disabled while the Quick Lock mode is activated.
- Escort codes will still be honored while the Quick Lock mode is activated.

NOTES: Delayed Egress as well as other Life Safety 101 features are not affected by the Quick Lock mode.

Refer to the section on *EXIU Programming* (see Lock and Unlock all U-DE exits) for a way to lock all doors and be able to use the indoor/outdoor push buttons.

The “Quick Lock” feature should only be used when the software version of all of the installed exit panels is Revision X.684 and later. The “X” value will change depending on the panel type. For example a U-500 DE = 1 so the Version would be 1.684. The version is the numbers to the right of the decimal point. Use Software Verification feature to check on the version. An exit panel that has this feature can be used to lock all of the exit panels connected to the same EXIU provided the exit panels can respond to the “Lock All Doors” command. An exit panel can be locked without actually having the “Quick Lock” feature available on the exit panel itself, but its indoor/outdoor push buttons will not be disabled (see EXIU Programming section, Lock and Unlock all U-DE exits.).

The Quick Lock feature needs to be **Enabled** on an exit panel before the feature can be **Activated** and accept the code (press and hold the Zero) entered at its keypad. If the exit panel does not have the Quick Lock feature enabled it cannot be used to lock itself or other exit panels. It is important to understand that if the Quick Lock feature is not enabled on an exit panel it **cannot** be used to activate the locking feature but it can be locked down by other panels with the Quick Lock feature Enabled and Activated that are connected to the same EXIU.

Quick Lock Feature:

Factory

Default Disabled

Enable the Quick Lock Feature:

1 Enter *309*9876543210

- One confirmation beep and bell icon blinks once

Disable Quick Lock Feature:

1 Enter *309*9876543210

- Two confirmation beeps and bell icon blinks twice

To Activate Quick Lock Feature.

- 1 Press and hold the “0” (zero) key on any exit panel’s keypad. The LED above the keypad will begin to blink.
- 2 After holding the “0” key for about 3 seconds, the Quick Lock feature will be activated and the doors will lock.
 - The exit panel “beeps” three times.

To Deactivate Quick Lock Feature:

- 1 Press and hold the “0” (zero) key on any exit panel’s keypad. The LED above the keypad will begin to blink.
- 2 After holding the “0” key for about 3 seconds, exit panel will “beep” once.
- 3 Enter the Secondary Code (default: 567).
Do not enter the asterisk before the Secondary Code (No “*”).
 - The exit panel will beep twice and the Quick Lock feature will be deactivated. If the exit panel beeps once, the Secondary Code was incorrect. Begin again at step 1 and enter the correct Secondary Code. (Use the “#” key to clear the key pad if the status of your input is in doubt.)

Returning the Exit Panel Settings to Factory Default Values



Resetting the exit panel back to factory default will reset all of the programmed information inside the panel back to the factory default settings. If you need to reset the secondary number use the **Secondary Reset Code *309*9876543212**.



To reset the panel to factory settings: Enter *309 *9876543214

EXIU Programming

NOTE: All programming is stored in nonvolatile memory, which means that if the panel loses power the EXIU programming will remain in memory.

The following programming for the EXIU can be done from any U-DE exit panel. The keypad on the EXIU will not accept any programming. Programming the EXIU can also be done from the Secure Care software please refers to the Secure Care software manual for those instructions.

EXIU Bypass

To unlock the doors during a cutband alarm:

Enter ***911 (EXIU Bypass code)**. The top center LED will light up and stay lit on the U-DE exit and the EXIU will have the bottom center LED lit. Along with the top center LED the U-DE exit will beep every 2 minutes while in Bypass mode. The EXIU will also time out of the Bypass mode in 15 minutes.

This code should only be giving to security personal, director of nursing or unit manager.

Change the EXIU Bypass code

- 1 Enter ***567 *976543214#xxx** (new Bypass code).
 - One Beep = New Bypass code has been accepted.
 - Ten Beeps = New Bypass code was not accepted.

The Bypass code CAN NOT be the same as any other code currently programmed into the U-DE exit.

Lock and Unlock all U-DE Exits

This code will lock and unlock all of the U-DE exits connected to the same EXIU that you are programming.

To lock all of the U-DE exits

- 1 Enter ***567 *9876543214#001** confirmation is 3 beeps

To unlock all of the U-DE exits

- 1 Enter ***567 *9876543214#000** confirmation is 2 beeps

To enable and disable latching

Latching

This feature is Factory set to disabled. Latching will allow all of the U-DE exits to remain locked after a cutband alarm. With latching enabled after a cutband alarm you will need to unlock the exits by entering the reset code at each U-DE exit.

- 1 To enable latching enter ***567 *9876543214#002**
 - confirmation is 4 beeps
- 1 To disable latching enter ***567*9876543214#003**
 - confirmation is 5 beeps

10. TESTING

Recommended Weekly Testing

Patient Escort Feature Test

Enter the monitoring zone with a transmitter on your ankle. The red LED will turn on and the door will quietly lock. Now enter the primary reset code into the keypad. The red LED will turn green, the door will unlock and you will be able to open the door without the alarm sounding.

Now close the door. The green LED will turn red and the door will immediately relock.

Anti-Tailgate Feature Test

With the door locked, apply pressure on the opening hardware of the door. The U-DE Exit Panel will begin to alarm and the red LED will remain on. The LED will remain red and the audible alarm sound will be short beeps. After 15 seconds, the audible alarm will become a continuous tone, the red LED will be on, and the door will release. Open the door. The LED will begin flashing red/green/red/green and the audible alarm will change to the seagull sound. Now close the door and enter the primary reset code. The panel will stop alarming, the door will relock and the red LED will be on. (The transmitter is still in the monitoring zone).

Remote Keypad Test

If a Remote Keypad has been installed with the U-DE Exit Panel, repeat the steps above using the Remote Keypad.

Push Button Test

If a remote Push Button has been installed with the U-DE Exit Panel, pass through the door from the Exit Panel side to the Push Button side using the reset code on the Exit Panel keypad. Close the door. Depress the Push Button. Open the door. No alarm condition will be activated and the LED will turn green.

Advanced Security Mode Test

Bring a transmitter into the monitoring zone. The green LED will turn red; the yellow LED will blink. Now enter the primary reset code. The red LED will flash green momentarily indicating a valid code was entered while a monitored resident was nearby. Next, try to gain access via the Indoor/Outdoor Push Button if one is installed on your system. With a transmitter in range, the door will remain locked and an audible alarm will sound. Only by entering the Secondary Reset Code (*567 or equivalent) will access be granted in this situation.

Recommended Monthly Testing

Fire Alarm Release Feature Test

Place the fire alarm system into the alarm mode and verify that all locks release. The U-DE Exit Panels should be in the fire alarm release alarm condition.

Recommended Annual Service

Battery Replacement

The battery should be replaced annually with a rechargeable 9VDC NI-MH battery (Secure Care Part # B15360501).

Using a Transmitter/System Tester

To test a Transmitter using the STAT Tester:

- 1 Press the ON button.
- 2 Bring the Transmitter near the top of the Tester and verify the signal LED blinks.
- 3 Verify that the display alternates between "TX OK" and the ID of the Transmitter.

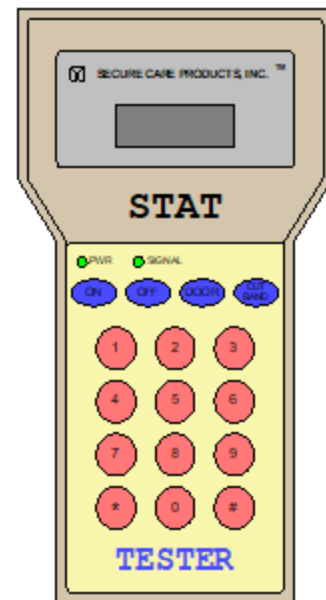
To test a door system using the STAT Tester:

- 1 Press the ON button.
- 2 Bring the Tester near the door and press *23456 or programmed security code then press the DOOR button.
- 3 Verify the door system arms if the door is closed or alarms if the door is open.

To test the Cutband Receivers using the STAT Tester:

- 1 Press the ON button.
- 2 Press *23456 or programmed security code then press and hold the cutband button
- 3 Verify the door system arms if the doors are closed or alarms if the doors are open. All of the doors will go into the locked state and if any door is opened this door will go into an alarm and this will need to be reset at the exit location.
- 4 To stop testing the cutband receivers release the cutband button on the tester.
- 5 The tester when used to test the cutband receivers will show up on the Secure Care Software with a unique ID of 8191

NOTE: Tester shown is an example actual tester may vary depending on system.



11. TROUBLESHOOTING

Symptom 1: LED's on the U-DE Exit Panel are off and system does not alarm.

Potential causes and corrective actions:

- Power switch on the U-DE Exit Panel is in the OFF position.
- Check the power supply for proper output voltage. Verify output voltage is approximately 12 - 15VDC.
- Verify that the AC outlet power supply is connected and has an output of 110-120VAC.
- The problem may be in the U-DE Exit Panel. Replace the Exit Panel.

Symptom 2: The U-DE Exit Panel will not reset when the code is entered.

Potential causes and corrective actions:

- The incorrect reset code is being entered into the keypad.
- The Remote Keypad pins may be shorted.
- Initialize the panel programming and try the default reset codes.
- The problem may be in the U-DE Exit Panel. Replace the Exit Panel.

Symptom 3: The U-DE Exit Panel has no range with transmitters present. (Signal LED is NOT flashing or solid with no transmitter in range).

Potential causes and corrective actions:

- Verify that the transmitter being used is not expired or damaged. .
- Verify that the same transmitter works at another exit location.
- Verify that the Exit Panel is set for the proper antenna.
- Verify that the faceplate of the Exit Panel is not damaged.
- The gain setting may not be adjusted properly. Adjust the gain and retest (Do NOT over adjust the gain).
- The problem may be in the U-DE Exit Panel. Replace the Exit Panel.

Symptom 4: The U-DE Exit Panel will not alarm when a monitored transmitter goes through the door.

Potential causes and corrective actions

- Check the magnetic door contact for proper operation - open loop when door is open and closed loop when door is closed.
- Verify that the transmitter is not expired. .
- The gain setting may not be adjusted properly. Adjust the gain and retest (Do NOT over adjust the gain).
- RF interference may be affecting performance. Locate the source of the interference and remove or filter it.
- There may be a problem with the Push Button interface. The Push Button input may be shorted. Disconnect any wires connected to the Push Button input and retest.

Symptom 5: The U-DE Exit Panel has a flickering or solid yellow signal LED when no transmitter is present.

Potential causes and corrective actions:

- RF interference may be affecting performance. Locate the source of the interference and remove or filter it.
- Verify that no other transmitters are within adjusted range of door location.
- Verify that all unapplied transmitters are stored in appropriate metal containers.

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Symptom 6: The Nurse Station Annunciator is alarming constantly, but the U-DE Exit Panel is NOT in alarm

Potential causes and corrective actions

- Reverse the wire conductors in AUX relay connector for the Nurse Station on the back of the panel. If the problem persists, disconnect the Nurse Station wire from the back of the Nurse Station. If the Nurse Station stops alarming, check the wire for shorts and replace the wire run from the exit location to the Nurse Station location.
- The problem is in the Nurse Station. Replace the Nurse Station panel.

Symptom 7: The U-DE alarms when a monitored transmitter approaches the door. (The door is NOT open when this occurs.)

Potential causes and corrective actions:

- The door may not be physically closing completely, leaving a gap too large for the magnetic contacts to activate.
- Visually inspect the magnetic contacts for damage. If damage is found, replace the magnetic contacts.
- Verify that the magnetic door contacts are installed on the door and door frame. (Has the door or frame been replaced and contacts were not re-installed?)

Symptom 8: When a monitored transmitter approaches the door, the red LED turns on and the door locks but three seconds later the panel starts to beep rapidly. The lock releases twelve or twenty-seven seconds later.

Potential causes and corrective actions:

- The panel is going into delayed egress mode because the micro-switch in the magnetic lock has been activated. Make sure the door is completely closed and latched.
- The lock has been installed or adjusted incorrectly. Proper alignment of the lock during installation is very important. If the lock is not aligned properly, the delayed egress switch may activate the delayed egress.
- Test the delayed egress switch with a multi-meter. The switch should open and close as the switch is depressed and released.
- There may be a problem with the lock armature alignment. Verify proper installation of all appropriate hardware.

Symptom 9: When a monitored transmitter approaches the door, the red LED turns on and the door locks but delayed egress can NOT be activated.

Potential causes and corrective actions:

- Verify the wiring of delayed egress switches. The switches should be wired in parallel.
- Verify that the lock is installed and adjusted properly. Improper alignment of the lock and armature can cause this problem.
- Test the delayed egress switches for proper operation. The switch should open and close as the switch is depressed and released.
- Disconnect the delayed egress switches from the panel. Apply a short on the input connection for three seconds. The panel should respond with rapid beeping and release the lock within twelve or twenty-seven seconds.
- If the problem persists, the problem may be in the U-DE Exit panel. Replace the Exit Panel. If the problem does not go away, the problem resides within the wiring or lock(s).

Symptom 10: When a monitored transmitter approaches the door, the red LED turns on but the door does NOT lock. (No audible alarm exists and the door has not opened.)

Potential causes and corrective actions:

- The door is not fully closed. Pull the door closed and retest.
- Loss of lock power. Verify the lock power is plugged in to a working 110-120VAC outlet. Verify that the output power from the power supply is approximately 12VDC.
- Check the lock relays on the Exit Panel using a multi-meter. The relay should be open with no transmitter present, and closed with transmitter present.
- Verify proper wiring of lock power. Break one leg of lock power through the lock relay on the Exit Panel.
- The problem may be in the lock. Replace the lock.

Symptom 11: The U-DE Exit Panel is beeping at one second intervals when a monitored resident is within range of the door and the lock will NOT lock.

Potential causes and corrective actions:

- There may be a problem with the fire alarm relay in the fire alarm control panel. Verify that the U-DE Exit Panel is connected to the proper fire alarm relay NO or NC.
- The Fire alarm system has been activated into an alarm condition. Remove the fire alarm wire from the U-DE Exit Panel. The beeping should stop. If the beeping continues, replace the U-DE Exit Panel. If the beeping stops, replace the fire alarm wire.
- If multiple Exit Panels are connected to an individual fire alarm relay, all panels must be turned on and wire polarity must be identical on all panel connections.

Symptom 12: The U-DE Exit Panel does not release the lock when the fire alarm system is activated.

Potential causes and corrective actions:

- The fire alarm relay is not connected or not working properly.
- There is a possible open circuit in the fire alarm interface. Disconnect the fire alarm wire from the fire alarm relay and the U-DE Exit Panel. Test the cable for an open circuit. If no open is found, test the fire alarm test the fire alarm interface on the U-DE Exit Panel. Provide a short on the panel interface input. The door should release and the Exit panel should beep.
- Verify that the U-DE Exit Panel is programmed for the proper fire alarm relay, NO or NC.

Symptom 13: The Remote Keypad with the U-DE Exit Panel does not work. (All functions of the U-DE integrated keypad work properly.)

Potential causes and corrective actions:

- Verify proper wiring and connections to the Remote Keypad from the Exit Panel.
- Reverse the connection of the ribbon cable on the Remote Keypad.
- There may be a broken or shorted keypad connector. Inspect the connector on the Remote Keypad and the U-DE Exit Panel.
- There may be a broken or loose conductor in the ribbon cable. Test each conductor for continuity.
- There may be a bad Remote Keypad button. Replace the Keypad.

Symptom 14: The U-DE Exit Panel does not lock out the elevator when the Exit Panel is in alarm and the elevator door is open.

Potential causes and corrective actions:

- Verify that wiring to the elevator control is connected in the Exit Panel.
- Remove the wire from the elevator interface connectors, Test for open and close. The relay should be open with no alarm present and closed when there is an alarm present.
- If the relay tests OK, the problem is within the wire run to the elevator controls or in the elevator controls.
- If the relay does not work properly, replace the U-DE Exit Panel.

Symptom 15: The U-DE Exit Panel is operating properly but the PM program does not seem to be working, The Exit Panel does not arm at the programmed time.

Potential causes and corrective actions:

- The Exit panel programming has been initialized and all memory has been erased. Reprogram and enable this feature.
- The Exit Panel programming has been turned off. Refer to the programming section in this manual to enable this feature.
- The Exit Panel has been programmed incorrectly. Reprogram for the correct times.
- Reprogram the Exit Panel for change in Daylight Savings Time.

Symptom 16: The U-DE Exit Panel is in PM mode and armed, but when the door is opened, the alarm does NOT sound.

Potential causes and corrective actions:

- Check the magnetic door contacts for proper operation: Open loop when the door is open and closed loop when door is closed.
- If the magnetic contacts are working properly, replace the U-DE Exit Panel. .

Symptom 17: The U-DE Exit Panel has been working properly. Now the system seems to have short range.

Potential causes and corrective actions:

- There may be a loose or broken antenna inside the Exit Panel. Inspect for physical damage to the Exit Panel faceplate. Replace the Exit Panel.
- Verify that the gain adjustment has not been changed. Readjust the gain for proper performance. .

12. GENERAL PRODUCT WARRANTY STATEMENT

SECURE CARE PRODUCTS, LLC

GENERAL PRODUCT WARRANTY STATEMENT

BY PERMITTING INSTALLATION OR BY MAKING USE OF ANY PRODUCT OR SERVICE DESIGNED OR MANUFACTURED BY SECURE CARE PRODUCTS, LLC. ("SECURE CARE") (INCLUDING SUPPORT SERVICES, MAINTAINED SOFTWARE AND MAJOR RELEASES, WHETHER OR NOT IT IS COVERED BY ANY SOFTWARE MAINTENANCE OR LICENSE AGREEMENT) ("THIS PRODUCT"), YOU ACKNOWLEDGE THAT YOU HAVE READ ALL THE TERMS AND CONDITIONS OF THIS GENERAL PRODUCT WARRANTY STATEMENT, THAT YOU UNDERSTAND THEM, AND THAT YOU AGREE TO BE BOUND BY THEM. YOU UNDERSTAND THAT, IF YOU PURCHASED THIS PRODUCT FROM ANY AUTHORIZED DISTRIBUTOR OF SECURE CARE, THAT DISTRIBUTOR IS NOT SECURE CARE'S AGENT AND IS NOT AUTHORIZED TO MAKE ANY REPRESENTATIONS OR WARRANTIES OR TO AGREE TO ANY TERMS OR CONDITIONS WHICH ARE DIFFERENT FROM ANYTHING EXPRESSLY SET FORTH IN THIS GENERAL PRODUCT WARRANTY STATEMENT.

If you do not agree to the terms and conditions of this General Product Warranty Statement, do not permit the installation or make use of this Product and promptly return this Product to the place where you obtained it for a full refund. If you have any difficulty obtaining a refund, please contact Secure Care at the telephone number provided in Section 2.B below.

1. Notices

A. ALL LOCKS USED WITH THE SECURE CARE SYSTEM ARE DESIGNED, MANUFACTURED, LABELED AND DELIVERED SOLELY BY AN INDEPENDENT VENDOR OVER WHOM SECURE CARE HAS NO CONTROL AND FOR WHOSE ACTIONS OR FAILURES TO ACT SECURE CARE DISCLAIMS ALL RESPONSIBILITY. REGARDLESS OF WHETHER THE LOCKS CARRY SECURE CARE'S LOGO OR NAME OR ANY OTHER TRADEMARK, SERVICE MARK OR TRADE NAME USED OR CLAIMED BY SECURE CARE, SECURE CARE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE LOCKS AND/OR THEIR USE WITH OR OPERATION IN THE SECURE CARE SYSTEM, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND/OR NON-INFRINGEMENT. SECURE CARE ALSO DISCLAIMS ALL OBLIGATIONS WITH RESPECT TO THE LOCKS AND/OR THEIR USE WITH OR OPERATION IN THE SECURE CARE SYSTEM THAT MIGHT OTHERWISE ARISE OR BE IMPLIED FROM THE FACT THAT SUCH LOCKS CARRY SECURE CARE'S LOGO OR NAME OR ANY OTHER TRADEMARK, SERVICE MARK OR TRADE NAME USED OR CLAIMED BY SECURE CARE OR FROM THE DELIVERY OR INSTALLATION OF THE LOCKS WITH SECURE CARE SOFTWARE, PARTS AND/OR PRODUCTS OR FROM A COURSE OF DEALING OR USAGE IN TRADE. ALL RESPONSIBILITY FOR DESIGNING, MANUFACTURING, LABELING AND WARNING OF HIDDEN DEFECTS OR DANGERS IN THE LOCKS AND/OR THEIR USE WITH AND OPERATION IN THE SECURE CARE SYSTEM RESTS EXCLUSIVELY WITH THE INDEPENDENT VENDOR, AND ANY CLAIMS, COSTS, DAMAGES OR LIABILITIES ARISING FROM THE LOCKS AND/OR THEIR USE WITH OR OPERATION IN THE SECURE CARE SYSTEM SHALL BE MADE SOLELY AGAINST THE INDEPENDENT VENDOR.

B. IF YOU PURCHASE COMPUTER HARDWARE THROUGH SECURE CARE AND REQUEST THAT SECURE CARE SOFTWARE BE INSTALLED AND TESTED ON THAT HARDWARE AT THE FACTORY, SECURE CARE WARRANTS ONLY THAT THE HARDWARE AND THE SOFTWARE PACKAGES WERE INSTALLED, SET-UP AND TESTED PRIOR TO SHIPMENT IN ACCORDANCE WITH ALL SECURE CARE PRODUCT MANUALS AND THAT, AT THE TIME THE HARDWARE AND THE SOFTWARE PACKAGES WERE FINALLY INSPECTED AT THE FACTORY, THEY WERE PERFORMING (SUBJECT TO SECURE CARE'S SPECIFIED TOLERANCES) IN ACCORDANCE WITH SECURE CARE'S SPECIFICATIONS. SECURE CARE WILL NOT BE RESPONSIBLE FOR ANY DEFECTS IN OR PROBLEMS CAUSED BY THE HARDWARE, ALL CLAIMS FOR WHICH MUST BE MADE TO THE HARDWARE MANUFACTURER AND/OR VENDOR. SECURE CARE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND/OR NON-INFRINGEMENT. SECURE CARE ALSO

DISCLAIMS ALL OBLIGATIONS WITH RESPECT TO THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM THAT MIGHT OTHERWISE ARISE OR BE IMPLIED FROM THE FACT THAT SUCH HARDWARE CARRIES SECURE CARE'S LOGO OR NAME OR ANY OTHER TRADEMARK, SERVICE MARK OR TRADE NAME USED OR CLAIMED BY SECURE CARE OR FROM THE

DELIVERY OR INSTALLATION OF THE HARDWARE WITH SECURE CARE SOFTWARE, PARTS AND/OR PRODUCTS OR FROM A COURSE OF DEALING OR USAGE IN TRADE. ALL RESPONSIBILITY FOR DESIGNING, MANUFACTURING, LABELING AND WARNING OF HIDDEN DEFECTS OR DANGERS IN THE HARDWARE AND/OR ITS USE WITH AND OPERATION IN THE SECURE CARE SYSTEM RESTS EXCLUSIVELY WITH THE HARDWARE MANUFACTURER AND/OR VENDOR, AND ANY CLAIMS, COSTS, DAMAGES OR LIABILITIES ARISING FROM THE HARDWARE AND/OR ITS USE WITH OR OPERATION IN THE SECURE CARE SYSTEM SHALL BE MADE SOLELY AGAINST THE HARDWARE MANUFACTURER AND/OR VENDOR.

C. Secure Care's software, parts and products are designed for operation in a wireless system. However, the range, performance, and predictability of any wireless system, including Secure Care's, is dependent on several factors, including, but not limited to, the following: building structure; environmental extremes (e.g., temperature, earth tremors, air pollution, etc.); the proximity of other wireless devices; the presence of variable speed products; sources of Radio Frequency Interference (RFI); physical orientation and positioning of the equipment; and sources of Electro Static Discharge ("ESD"). Secure Care cannot be responsible for the effect of these types of factors on operation of its software, parts and products.

D. This Product must be installed, set-up, tested, supported, operated, maintained, repaired and used only in accordance with all manuals and instructions (including the user, installation, technical and other manuals) issued by Secure Care (the "Product Manuals"). It is your responsibility to assure that any person who might be installing, setting-up, testing, supporting, maintaining or repairing this Product knows the contents of and has access to the Product Manuals and has successfully completed Secure Care technical training. It is also your responsibility to assure that any person who might be operating or using this Product knows the contents of and has access to the Product Manuals and has successfully completed Secure Care in-service training. If you do not have the Product Manuals or if you have any questions regarding this Product and/or its installation, set-up, testing, support, operation, maintenance, repair or use, please call Secure Care at the telephone number provided in section 2.B below. Secure Care cannot be responsible for performance problems caused by a failure to follow published and appropriate procedures for installation, set-up, testing, support, operation, maintenance, repair and use.

All adjustable features on new and repaired Secure Care software, parts and products are shipped with "factory default" settings. These "factory default" settings may not comply with building and life safety codes or other applicable laws and regulations in the location where they are installed or operated. Secure Care strongly recommends, therefore, that the settings on all Secure Care software, parts and products be checked and, if necessary, reset to comply with local building and life safety codes and other applicable laws and regulations at the time of any installation, set-up, testing, support, maintenance or repair.

E. Secure Care's system is driven by software. However, the performance and reliability of any software-driven system depends on adequately maintaining the recommended minimum configuration of computing platform, operating systems and applications programs and on regularly performing industry-standard and application-specific backup processes. If recommended minimum configurations of computing platform, operating systems, and applications programs are not adequately maintained, or if appropriate backups are not regularly performed, the software may not drive the system as intended. Secure Care cannot be responsible for operational problems caused by a failure to perform these maintenance and backup procedures.

F. Secure Care does not authorize, and strongly recommends against, any installation or field replacement of software, parts or products by untrained contractors or facility staff. Such work can be hazardous, can render the system ineffective and will void any Secure Care warranty or liability that might otherwise relate to the system.

Before any software, parts or products, which have been designed and manufactured by Secure Care can be safely installed, set-up, tested, supported, maintained or repaired, technical training in accordance with standards established by Secure Care is required. Regardless of how Secure Care's software, parts or products are obtained, they should not be installed, set-up, tested, supported, maintained or repaired by any person who has not satisfactorily completed that technical training (a "qualified service technician".) When Secure Care's software, parts or products are sold separately from installation services, it is assumed that only a qualified service technician will conduct any installation, set-up, testing, support, maintenance or repair involving that software, part or products.

G. It is important that any installation, set-up, testing, support, operation, maintenance, repair or use involving the system comply with all local and national electrical and life safety codes. If you have any questions about compliance with those codes, please contact your local authorities.

H. Secure Care receives and responds to telephone and dial-in inquiries (the "Help Line") about its software, parts and products for the purpose of discussing users' experiences with Secure Care's system, helping users better understand how their systems work, and providing ideas about what may be causing difficulties. However, Secure Care cannot accurately diagnose the cause of any problems or give complete instructions on how to fix problems over the telephone or Internet. The only way to assure that software, parts or products are installed, set-up, tested, supported, maintained or repaired correctly or that a Secure Care system is functioning properly is to have it examined on site by a qualified service technician. In addition, Secure Care software, parts and products cannot be operated or used correctly by anyone who has not successfully completed Secure Care in-service training. Secure Care's Help Line is not a substitute for on-site diagnosis and servicing by a qualified service technician or for successful completion of Secure Care in-service training. Secure Care strongly recommends that any installation, set-up, testing, support, replacement, maintenance or repair of a system that is performed by a person who has not satisfactorily completed technical training in accordance with standards established by Secure Care be immediately checked on-site by a person who has completed that technical training.

WARNING: EVEN SLIGHT MODIFICATIONS TO THE SYSTEM OR CHANGES IN THE OPERATING ENVIRONMENT MAY CAUSE SECURE CARE'S SYSTEM TO MALFUNCTION. THE ONLY WAY TO ASSURE THAT SECURE CARE'S SYSTEM HAS BEEN INSTALLED, SET-UP, TESTED, SUPPORTED, MAINTAINED, AND REPAIRED CORRECTLY IS TO HAVE A QUALIFIED SERVICE TECHNICIAN DO THE WORK.

I. Secure Care's software, parts and products have been designed to augment a facility's reasonable procedures for protecting residents, patients, and infants. However, no system or combination of procedures and equipment can eliminate all risk or assure complete security. Secure Care's system is not intended as a substitute for the careful identification and monitoring of residents, patients, and infants by a facility's professional staff.

2. Limited Warranty

A. Subject to the limitations set forth in this general product warranty statement (as amended from time to time by Secure Care in its absolute discretion), and unless a different period is specified in writing by Secure Care for a particular product or service, Secure Care warrants that this product (subject to Secure Care's specified tolerances and excluding any expendable items), if sold by Secure Care to an authorized Secure Care distributor, shall conform to the specifications which accompany this product for a period of one (1) year from the date of delivery of this product by Secure Care to a common carrier, f.o.b. Secure Care's manufacturing facility in Concord, New Hampshire or, in the case of services, from the date of first provision of such services. This warranty does not extend to and is not for the benefit of any person other than an authorized Secure Care distributor who purchases this product from Secure Care, any sub-distributor thereof and/or the customer to whom this product is first provided for use, by Secure Care, an authorized Secure Care distributor or any sub-distributor thereof. In the event that this product does not comply with this warranty, Secure Care will, at its option, either repair or replace this product or refund the purchase price, provided that this product is returned as provided in section 2.b below. Replacement of this product under warranty will not extend the original warranty period.

Secure Care will also, at its option, either repair or replace this Product after the warranty has expired, for an additional charge, provided that this Product is returned as provided in Section 2.B below. If Secure Care repairs or replaces this Product after the warranty has expired, the terms of the warranty set forth in this Section 2.A for a new Product will apply to the repaired or replaced Product, with the exception that the term will run for ninety (90) days from the date of repair or replacement.

Repair may include the replacement of parts and products with functionally equivalent, reconditioned parts or products. Any part or product replaced by Secure Care will become the property of Secure Care upon replacement.

B. Warranty service is available by contacting Secure Care at 800-451-7917 and obtaining a Return Authorization Number. No Product may be returned to Secure Care without first obtaining a Return Authorization Number. When this Product is returned to Secure Care, please include the Return Authorization Number and a detailed written description of the problem. Issuance of a Return Authorization Number by Secure Care will not constitute an admission that there is a problem with the Product being returned, that any problem is covered by warranty or that Secure Care has any responsibility to repair, replace, make refunds for or pay claims, costs, damages or liabilities connected with the Product being returned.

NOTE: Transmitters are not repaired, nor is the warranty extended, beyond the expiration date.

If this Product is returned to Secure Care for any reason, you will retain title (unless and until a part or product is replaced, in which case you will obtain title to the replacement part or product at the time of replacement), the risk of loss, and the obligation to pay all costs of shipping, storage and other charges and obligations relating to this Product.

C. Except as stated in this section 2, Secure Care disclaims all warranties, express or implied, with respect to the whole or any part of this product, including, without limitation, all implied warranties of merchantability, fitness for a particular purpose, title and/or non-infringement. Secure Care also disclaims all obligations that might otherwise arise or be implied from a course of dealing or usage in trade.

3. Limitations of Liability

A. Regardless of the form of any claim or action, Secure Care's total liability to all persons, whether singly or together, for all occurrences combined, for claims, costs, damages or liabilities based on any cause whatsoever and arising from or in connection with this product, or the manufacture, distribution, promotion, sale, installation, set-up, testing, support, maintenance, operation, servicing, use or performance of this product, or from or in connection with any delay or failure in providing this product, shall not exceed the aggregate price (without interest) paid to Secure Care for this product.

B. In no event shall Secure Care be liable to anyone for any loss of data, loss of profits or loss of use of this product or any equipment, or for any special, incidental, consequential, exemplary, punitive, multiple, or other damages, arising from or in connection with the manufacture, distribution, promotion, sale, installation, set-up, testing, support, maintenance, operation, servicing, use or performance of this product or from or in connection with any delay or failure in providing or delivering this product.

C. In no event shall Secure Care be liable to anyone for any claims, costs, damages or liabilities caused by: (i) any distributor's failure to perform its obligations and responsibilities under a distributor agreement with Secure Care; (ii) improper or defective promotion, distribution, sale, installation, set-up, testing, support, maintenance or repair of this product, including work performed, without Secure Care's prior written consent in its absolute discretion, by a person who has not satisfactorily completed Secure Care technical training, or in a manner not consistent with Secure Care technical training; (iii) improper or defective operation or use of this product by a person who has not successfully completed Secure Care in-service training, or in a manner not consistent with Secure Care in-service training; (iv) supply of this product by a distributor for use in, or the use of this product in, any system or configuration not designed to Secure Care standards or in which a distributor or any third party has substituted materials and/or goods not specified by Secure Care; or (v) deterioration of this product during storage. This liability extends to voiding the product/system warranty and agency certifications. You will assume all liability for any deviations from the above.

D. You agree to indemnify and hold Secure Care harmless from all claims, costs, damages and liabilities asserted by anyone for any damages that are excluded and waived, or are intended to be excluded and waived, by this section 3, or which are imposed by law on behalf of anyone but which are not expressly stated in this general product warranty statement.

E. The exclusions, waivers and limitations on claims, costs, damages and liabilities and any rights of indemnification set forth in this Section 3 shall be enforceable to the maximum extent allowed by law and shall not be expanded or negated in any respect by Secure Care's operation of a "help line" to receive and respond to telephone or dial-in inquires about this product, by any communications through that "help line" or by any actions taken by anyone following communications with Secure Care over such "help line."

4. Governing Law and Arbitration

A. This General Product Warranty Statement, and all questions arising out of or relating to it, shall be governed by and construed in accordance with the laws of the State of New Hampshire, without giving effect to the conflict of laws provisions thereof, and excluding the United Nations Convention on contracts for the international sale of goods, the 1974 convention on the limitation period on the international sale of goods (the "1974 convention"), and the protocol amending the 1974 convention, done at Vienna April 11, 1980.

B. Any dispute, controversy or claim arising out of or relating to this general product warranty statement shall be resolved by arbitration. Regardless of the amount in dispute, the arbitration shall be conducted by a single arbitrator selected by the parties or, if they cannot agree, by a single arbitrator selected in accordance with the commercial arbitration rules of the American Arbitration Association without regard to the amount in dispute. The arbitration shall be conducted in English, in accordance with the commercial arbitration rules of the American Arbitration Association, in Concord, New Hampshire. The decision of the arbitrator shall be binding and enforceable by any state or federal court in New Hampshire, and you hereby consent to the personal jurisdiction of any state or federal court in New Hampshire for that purpose. The expense of the arbitration (excluding each side's own attorneys' fees, costs, and related expenses) shall initially be paid in equal shares by each side, but the total of such expenses plus any award of attorneys' fees, cost and expenses shall finally be paid by the parties as the arbitrator determines. Nothing in this section 4.b shall preclude Secure Care from seeking provisional or equitable relief from any appropriate court to protect its rights prior to, pending or in the absence of such arbitration proceedings.

5. Severability

The invalidity or unenforceability of any provision of this General Product Warranty Statement shall not affect the validity or enforceability of any other provision hereof.

6. Waiver

No term or condition of this General Product Warranty Statement may be waived except in writing signed by Secure Care. A waiver on one or more occasions of any term or condition of this General Product Warranty Statement shall not constitute or be deemed to be a waiver of such term or condition on any other occasion. No delay or failure of Secure Care to exercise any right or remedy under this General Product Warranty Statement will operate as a waiver thereof; no failure to enforce or insist upon compliance with any provision of this General Product Warranty Statement on any one occasion shall be deemed to be a waiver of Secure Care's right to do so on another occasion; and no course of dealing will constitute a waiver, alteration, limitation or expansion of any of the parties' rights and obligations under this General Product Warranty Statement.

Revised 02/14/17

13. COMPLIANCE INFORMATION

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interferences and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

INFORMATION TO USER - EXIU

This equipment has been tested to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INFORMATION TO USER – EXIT PANEL, EXTERNAL RECEIVER

This equipment has been tested to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada

This Class B digital apparatus complies with Canadian ICES-003

CET appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

Compliance Information Statement

Conforming Product Name :	Testers
Conforming Model or Part Number :	A07300943, A07290937 A07390900
Manufacturer and Responsible Party :	Secure Care Products, LLC 39 Chenell Drive Concord, New Hampshire 03301 USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Al Larose
Name of Responsible Person

Director of Engineering
Company Title or Position

ON FILE
Authorized Signature

Date: 12-19-12

A00020528 Rev E

Compliance Information Statement

Conforming Product Name :	Universal Exit Panel
Conforming Model or Part Number :	A05090900, A05090901, A05090902, A05090903, A05090904
Manufacturer and Responsible Party :	Secure Care Products, LLC 39 Chenell Drive Concord, New Hampshire 03301 USA Telephone Number: 603.223.0745

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Al Larose
Name of Responsible Person

Director of Engineering
Company Title or Position

On File
Authorized Signature

01/08/13
Date

A00020671 Rev C

Compliance Information Statement

Conforming Product Name :	EXIU
Conforming Model or Part Number :	A01350925, A01350926
Manufacturer and Responsible Party :	Secure Care Products, LLC 39 Chenell Drive Concord, New Hampshire 03301 USA Telephone Number: 603.223.0745

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Chris Stevens

Engineering Manager

Name of Responsible Person

Company Title or Position

ON FILE
Authorized Signature

04/02/14
Date

A00020665 Rev D

Compliance Information Statement

Conforming Product Name :	Universal External Receivers
Conforming Model or Part Number :	A03590900, A03590901, A03590902
Manufacturer and Responsible Party :	Secure Care Products, LLC 39 Chenell Drive Concord, New Hampshire 03301 USA

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Al Larose
Name of Responsible Person

Director of Engineering
Company Title or Position

On File
Authorized Signature

12-28-12
Date

A00020670 Rev C

R&TTE Declaration of Conformity (DoC)

Unique identification of the DoC: 40.68MHz Universal External Receiver

We, Secure Care Products LLC

39 Chenell Dr. Concord, NH 03301.

Declare under our sole responsibility that the product(s):

Product name(s): 40.68MHz Universal External Receiver

Trade name(s): External Receiver

Type or model(s): A03590902

Relevant supplementary information: N/A

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product(s) is/are in conformity with the following standards and/or other normative documents:

ETSI EN 300 320-2

ETSI EN 301 489-1 with ETSI EN 301 489-17 (Article 3.1(b) of R&TTE Directive)

Limitations of validity (if any): N/A

Supplementary information:

Notified body involved:

MET Laboratories
914 W. Patapsco Ave.
Baltimore, MD 21230

Technical file held by:

Secure Care Products LLC
39 Chenell Dr.
Concord, NH 03303

Place and date of issue (of this DoC):

Secure Care Products LLC. 3/26/2014

Signed by or for the manufacturer:

Printed name: Michael Singer

Title: R&D Engineer

Signature: On File

A00020684 Rev. C

R&TTE Declaration of Conformity (DoC)

Unique identification of the DoC: 6.78MHz Universal External Receiver

We, Secure Care Products LLC

39 Chenell Dr. Concord, NH 03301.

Declare under our sole responsibility that the product(s):

Product name(s): 6.78MHz Universal External Receiver

Trade name(s): External Receiver

Type or model(s): A03590900

Relevant supplementary information: N/A

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product(s) is/are in conformity with the following standards and/or other normative documents:

ETSI EN 300 330-2 (Article 3.2 of R&TTE Directive)

ETSI EN 301 489-1 with ETSI EN 301 489-17 (Article 3.1(b) of R&TTE Directive)

Limitations of validity (if any): N/A

Supplementary information:

Notified body involved:

MET Laboratories
914 W. Patapsco Ave.
Baltimore, MD 21230

Technical file held by:

Secure Care Products LLC
39 Chenell Dr.
Concord, NH 03303

Place and date of issue (of this DoC):

Secure Care Products LLC. 3/26/2014

Signed by or for the manufacturer:

Printed name: Michael Singer

Title: R&D Engineer

Signature: On File

A00020685 Rev. C

R&TTE Declaration of Conformity (DoC)

Unique identification of the DoC: 13.56MHz Universal External Receiver

We, Secure Care Products LLC

39 Chenell Dr. Concord, NH 03301.

Declare under our sole responsibility that the product(s):

Product name(s): 13.56MHz Universal External Receiver

Trade name(s): External Receiver

Type or model(s): A03590901

Relevant supplementary information: N/A

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product(s) is/are in conformity with the following standards and/or other normative documents:

ETSI EN 300 330-2 (Article 3.2 of R&TTE Directive)

ETSI EN 301 489-1 with ETSI EN 301 489-17 (Article 3.1(b) of R&TTE Directive)

Limitations of validity (if any): N/A

Supplementary information:

Notified body involved:

MET Laboratories
914 W. Patapsco Ave.
Baltimore, MD 21230

Technical file held by:

Secure Care Products LLC
39 Chenell Dr.
Concord, NH 03303

Place and date of issue (of this DoC):

Secure Care Products LLC. 3/26/2014

Signed by or for the manufacturer:

Printed name: Michael Singer

Title: R&D Engineer

Signature: On File

A00020686 Rev. C

R&TTE Declaration of Conformity (DoC)

Unique identification of the DoC: KinderGuard U-ID, KinderGuard U-500DE, DoorGuardian U-ID, DoorGuardian U-DE and DoorGuardian U-500DE

We, Secure Care Products LLC

39 Chenell Dr. Concord, NH 03301.

Declare under our sole responsibility that the product(s):

Product name(s): KinderGuard U-ID, KinderGuard U-DE, DoorGuardian U-ID, DoorGuardian U-DE and DoorGuardian U-500DE

Trade name(s): Exit Panel

Type or model(s): A05090900, A05090901, A05090902, A05090903 and A05090904

Relevant supplementary information: N/A

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product(s) is/are in conformity with the following standards and/or other normative documents:

ETSI EN 301 489-1 with ETSI EN 301 489-17 (Article 3.1(b) of R&TTE Directive)

Limitations of validity (if any): N/A

Supplementary information:

Notified body involved:

MET Laboratories
914 W. Patapsco Ave.
Baltimore, MD 21230

Technical file held by:

Secure Care Products LLC
39 Chenell Dr.
Concord, NH 03303

Place and date of issue (of this DoC):

Secure Care Products LLC. 3/26/2014

Signed by or for the manufacturer:

Printed name: Michael Singer

Title: R&D Engineer

Signature: On File

A00020688 Rev. C

R&TTE Declaration of Conformity (DoC)

Unique identification of the DoC: KinderGuard EXIU and DoorGuardian EXIU

We, Secure Care Products LLC

39 Chenell Dr. Concord, NH 03301.

Declare under our sole responsibility that the product(s):

Product name(s): KinderGuard EXIU and DoorGuardian EXIU

Trade name(s): EXIU (Ethernet Exit Interface Unit)

Type or model(s): A01350925 and A01350926

Relevant supplementary information: N/A

To which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC). The product(s) is/are in conformity with the following standards and/or other normative documents:

ETSI EN 301 489-1 with ETSI EN 301 489-17 (Article 3.1(b) of R&TTE Directive)

Limitations of validity (if any): N/A

Supplementary information:

Notified body involved:

MET Laboratories
914 W. Patapsco Ave.
Baltimore, MD 21230

Technical file held by:

Secure Care Products LLC
39 Chenell Dr.
Concord, NH 03303

Place and date of issue (of this DoC):

Secure Care Products LLC. 3/26/2014

Signed by or for the manufacturer:

Printed name: Michael Singer

Title: R&D Engineer

Signature: On File

A00020689 Rev. C

A. UL LISTING REQUIREMENTS

This system has passed all the requirements for UL listing. In order for the system to be listed, exits panels, UL listed wire, strain relieves and knockout holes covers must be used. All the components shipped with the kits and boxes must be used in order for the system to keep its UL Listing.

B. FERRITE PLACEMENT

Recommended Ferrite Placement

Which wires to ferrite.

Ferrites may need to be added to some or all of the wires, leading to the external receiver and the control panel. Ferrites can also be added to wires leading to other equipment such as computers, lights, Door controllers, elevators etc. These other devices could be the source of RF that might interfere with the SCP equipment, by adding ferrites to these wires may reduce the affect.

How to ferrite wires.

Ferrites should be installed above the ceiling and at least 2 feet from the control panel or external receiver. The ferrite is a split style ferrite and can be installed after the wires have been pulled down to the control panel or external receiver. Open the ferrite and wrap the wires as many times around the ferrite as possible and close the ferrite, use a wire tie around the outer circumference of the ferrite but under the wire loops. Only install one cable per ferrite.

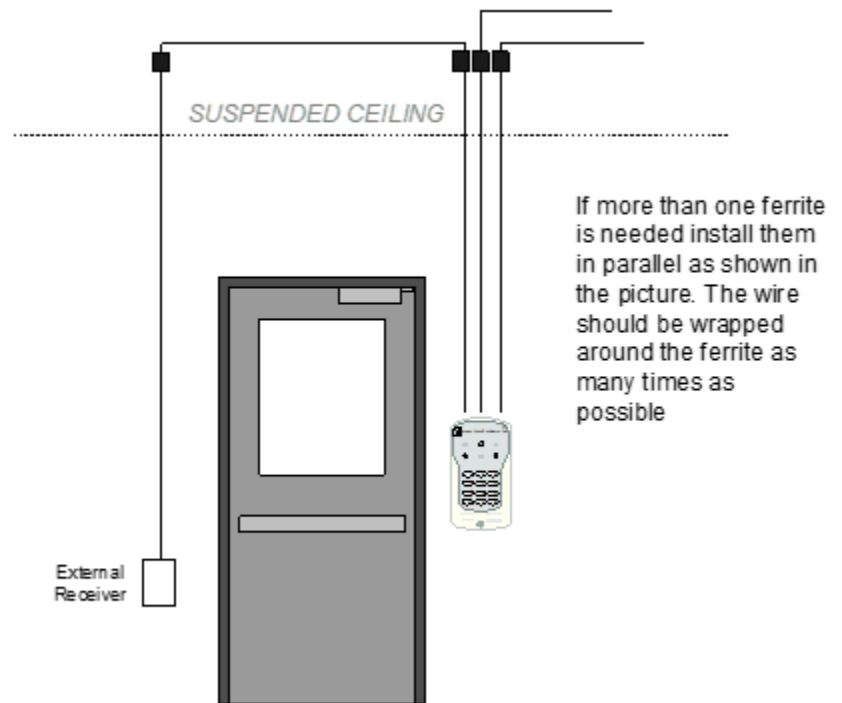
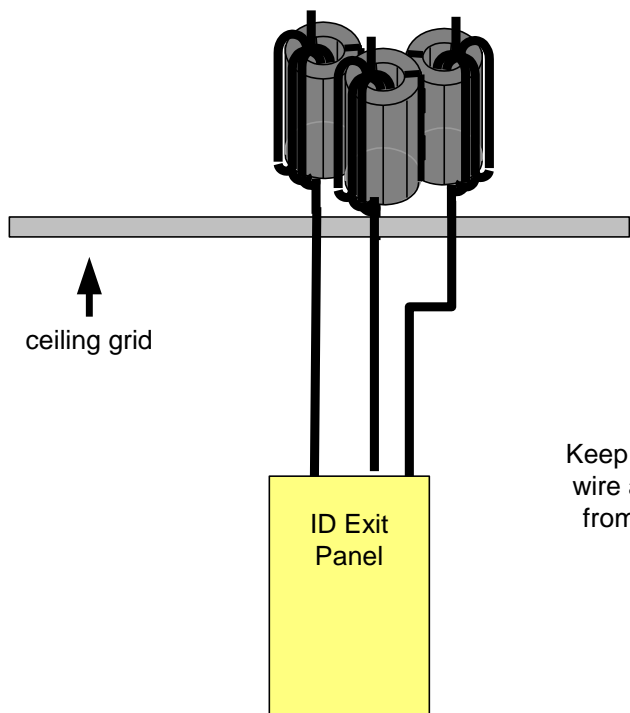


Figure B-1 Ferrite Placement

How to determine which wires will need the ferrite applied or adjusted to reduce coupling to building structure:

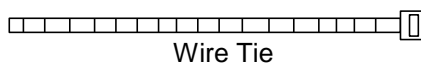
Tune your exit panel and external receivers until the yellow signal light is flickering 50% of the time, start with the external receiver location and find the wire leading down to the external receiver and apply the ferrite to the wire (do not apply the wire tie until you have determined if the ferrite will remain at this location), if the signal decreases leave the ferrite on, tune the exit panel increasing the coverage until the signal light again starts flickering 50% of the time and proceed to the next wire to be ferrited. If the signal light increases, remove the ferrite and proceed to any other external receivers being used at this exit panel location. If after a ferrite is installed and there is no change on the signal light, keep the ferrite on. When all the external receiver locations have been determined if they need the ferrites or not, then proceed to the wires leading down to the exit panel, and follow the same process to determine which wires need to have ferrites applied. Finally, proceed to any surrounding or neighboring wires not necessary leading to any Secure Care hardware and follow the same process to determine which wires need to have ferrites applied. Also, if any of these surrounding or neighboring wires are found to stop radiating RF interference by simply moving them or suspending them off or any surrounding metal structures in the ceiling or walls in the general area of an installation, then suspend or move them off of these metal structures with the oversight of the facility staff or contractor to eliminate the source of the RF interference and follow the same process used to determine which wires need to have ferrites applied.

Correct and Incorrect Ferrite Installation

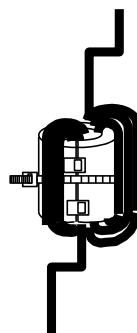
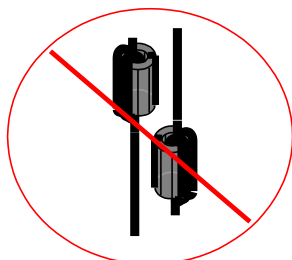


Install ferrites at least 2 feet away from panel or just above ceiling.
Loop the wire through ferrite as many times as possible.
Install ferrites all at the same location grouping them together.

Keep other building wire at least 1 foot from panel wires





Incorrect method.
noise will jump from the other cable onto cable after ferrite.



After the wires are wound into the Ferrite use a wire tie to secure tightly, this will help reduce noise.

Figure B-2 Ferrite Installation

C. 4 AMP POWER SUPPLY FOR EXIT PANELS

-  • Risk of shock
-  • Dry location use only
- For indoor use only

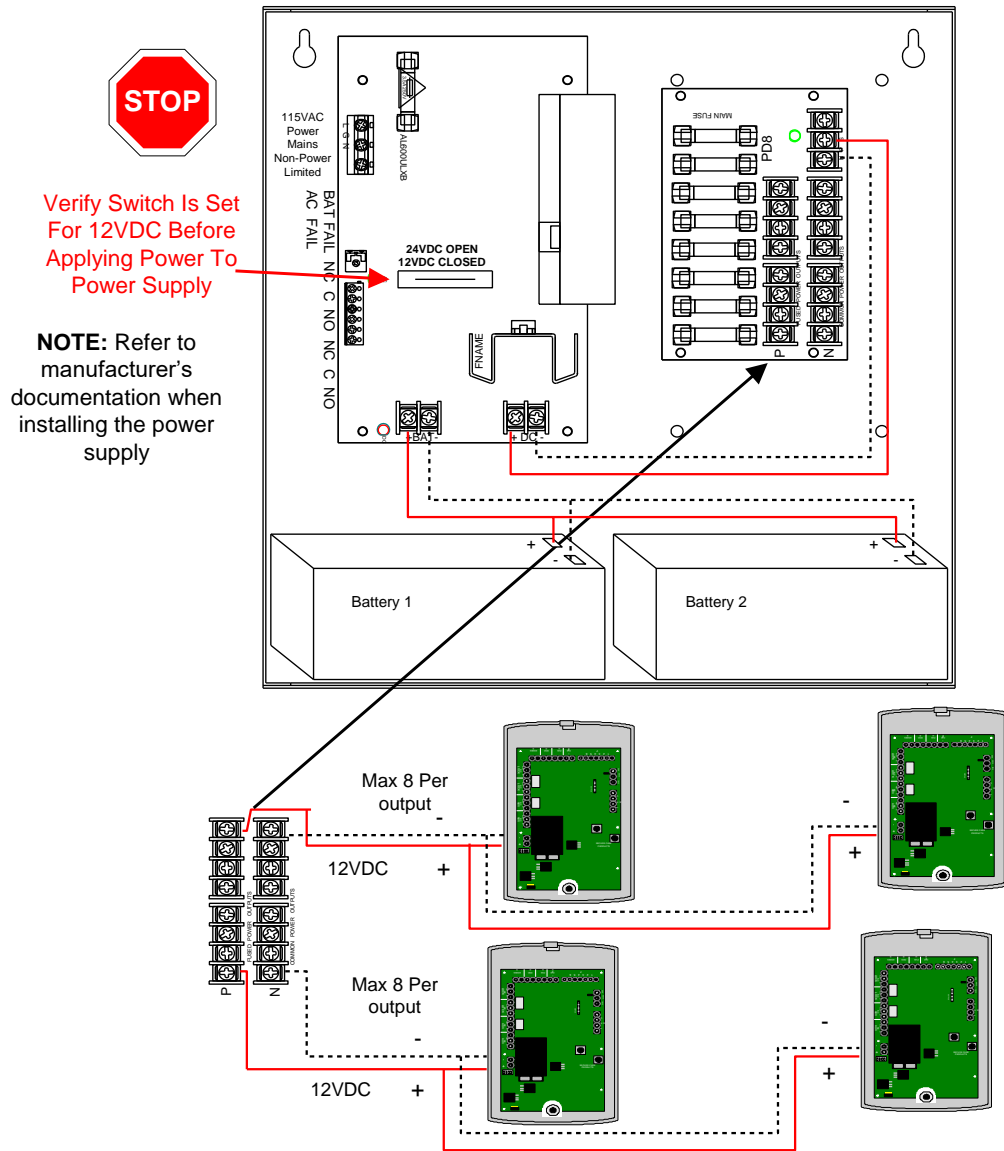


Figure C-3 4AMP POWER SUPPLY SCP PART NUMBER C40014204

NOTES: