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Installation Manual

Field Programmable Advantage 500DE System

39 Chenell Drive
Concord, NH USA 03301-8501
Phone: (800) 451-7917 / (603) 223-0745
Fax: (603) 227-0200
<http://www.securecare.com>

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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, Inc.'s ("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.

1. Secure Care is Not Responsible for the Locks

ALL LOCKS USED WITH SECURE CARE'S 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.

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

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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. **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.

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

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, 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.

9. **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.

Revised 11/16/07

SECTION 2 SYSTEM BLOCK DIAGRAM

A01350691 ADV 500DE system Block Diagram Fig. 2



Typical Installation Wiring Diagram

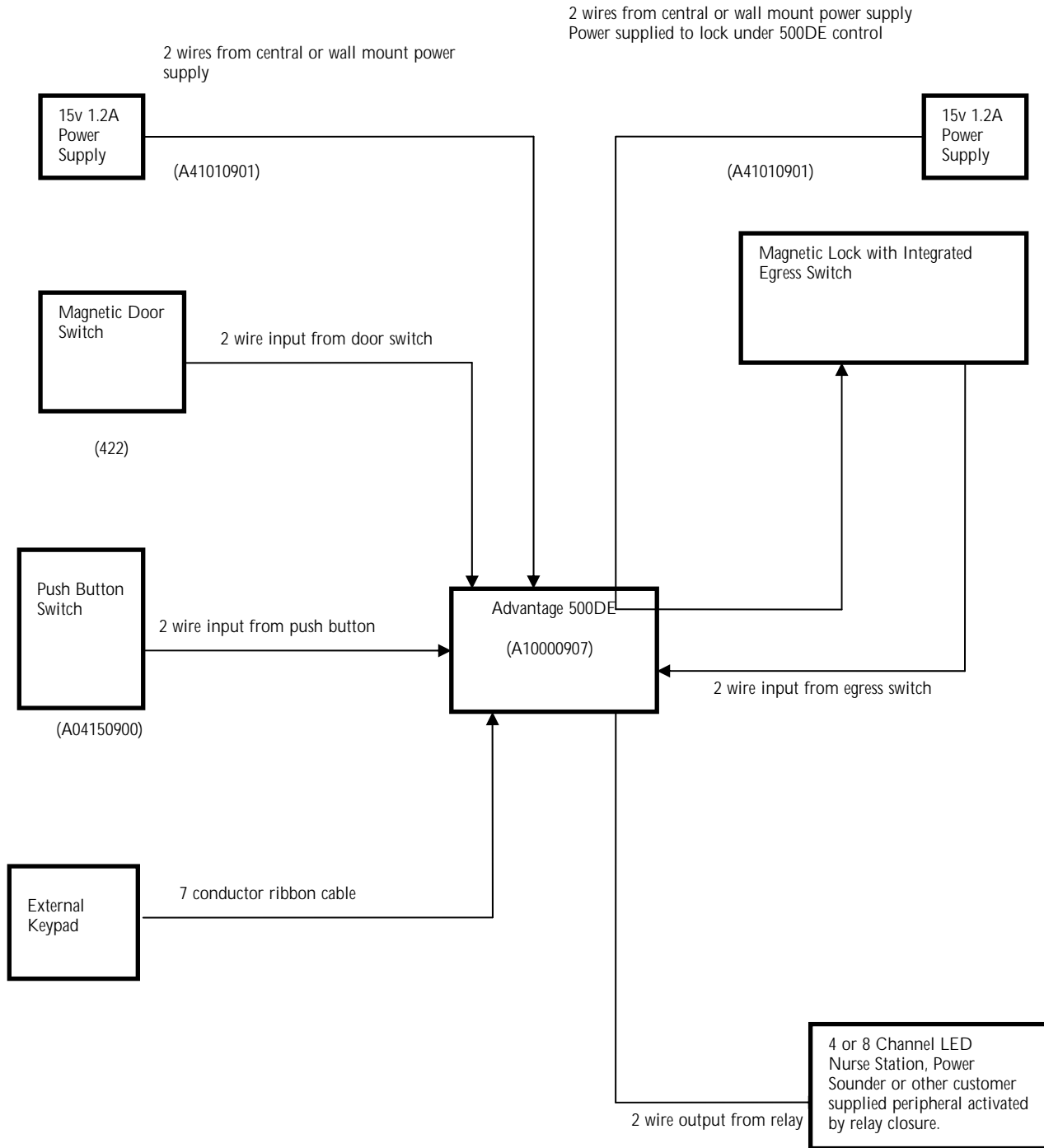


Figure 2-1 System Block Diagram

SECTION 3 POWER AND GROUNDING REQUIREMENTS

NOTE: A Secure Care approved central power supply (A40020901) may be used in place of wall mount power supplies

A non switched 110VAC (overseas 220AC) duplex outlet (2A) is required within 12 feet (3.7 meters) of each Advantage 500DE Exit location if a wall mount power supply is used.

The Advantage 500DE Exit Panel can be powered from a Condor Model No. 3A-183WP15 (Ratings: Input: 100-240VAC, 50/60 Hz 38VA; Output: 15VDC, 1.2A) wall mount local power supply (SCP# A41010901). An optional Electronic Security Devices STS-10CEELAC116CL (Ratings: Input: 110/220/230VAC; Output: 12VDC, 8A) central power supply (SCP# B40001016) may be used to power several Adv 500 DE Exit Panels. The use of emergency power circuits are highly recommended due to possible facility power failures



NOTE: Do not extend the power supply cord attached to the wall mount supply. The maximum distance the duplex outlet should be from the Advantage 500DE Exit Panel is 12 feet (3.7 meters).

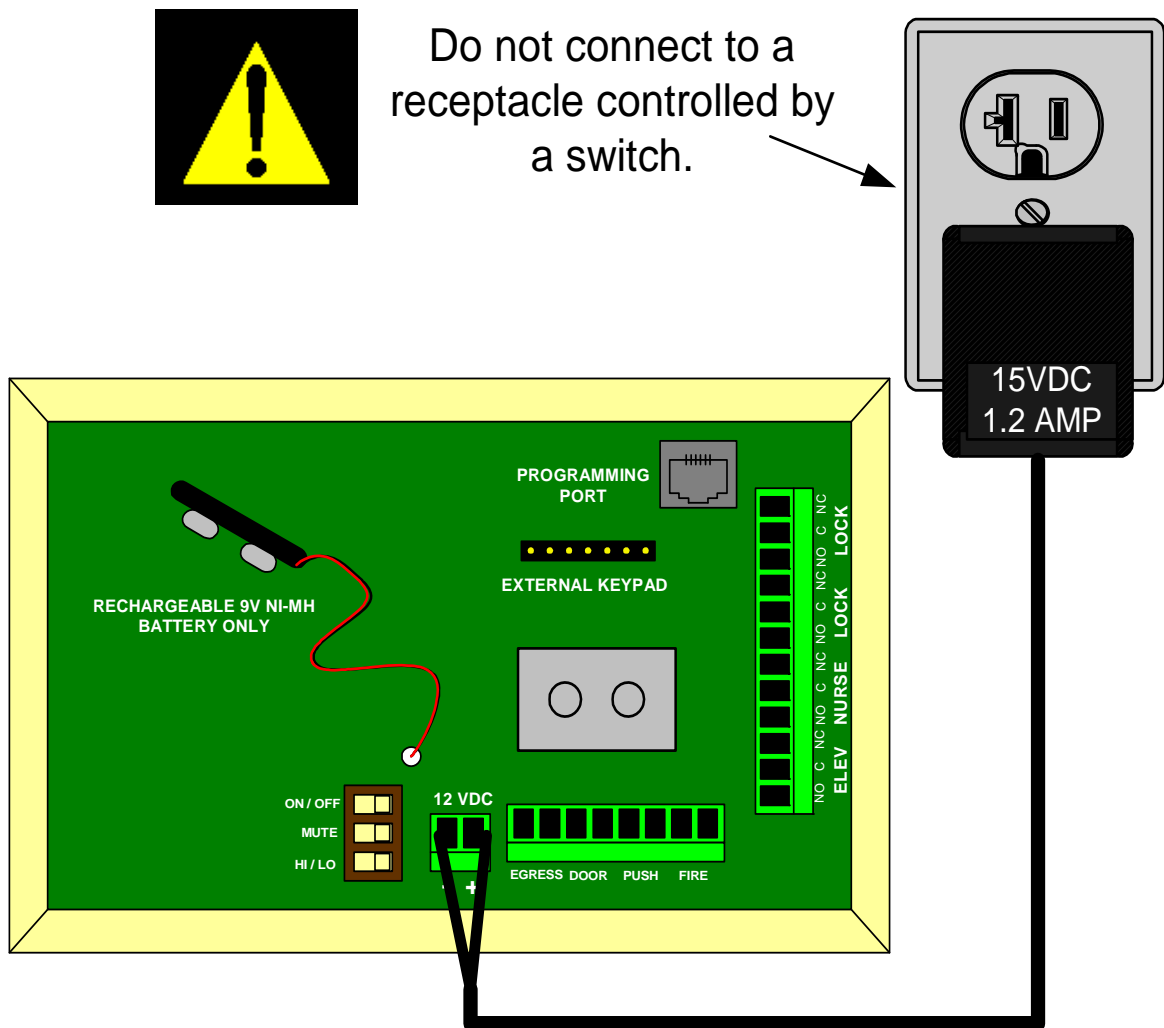
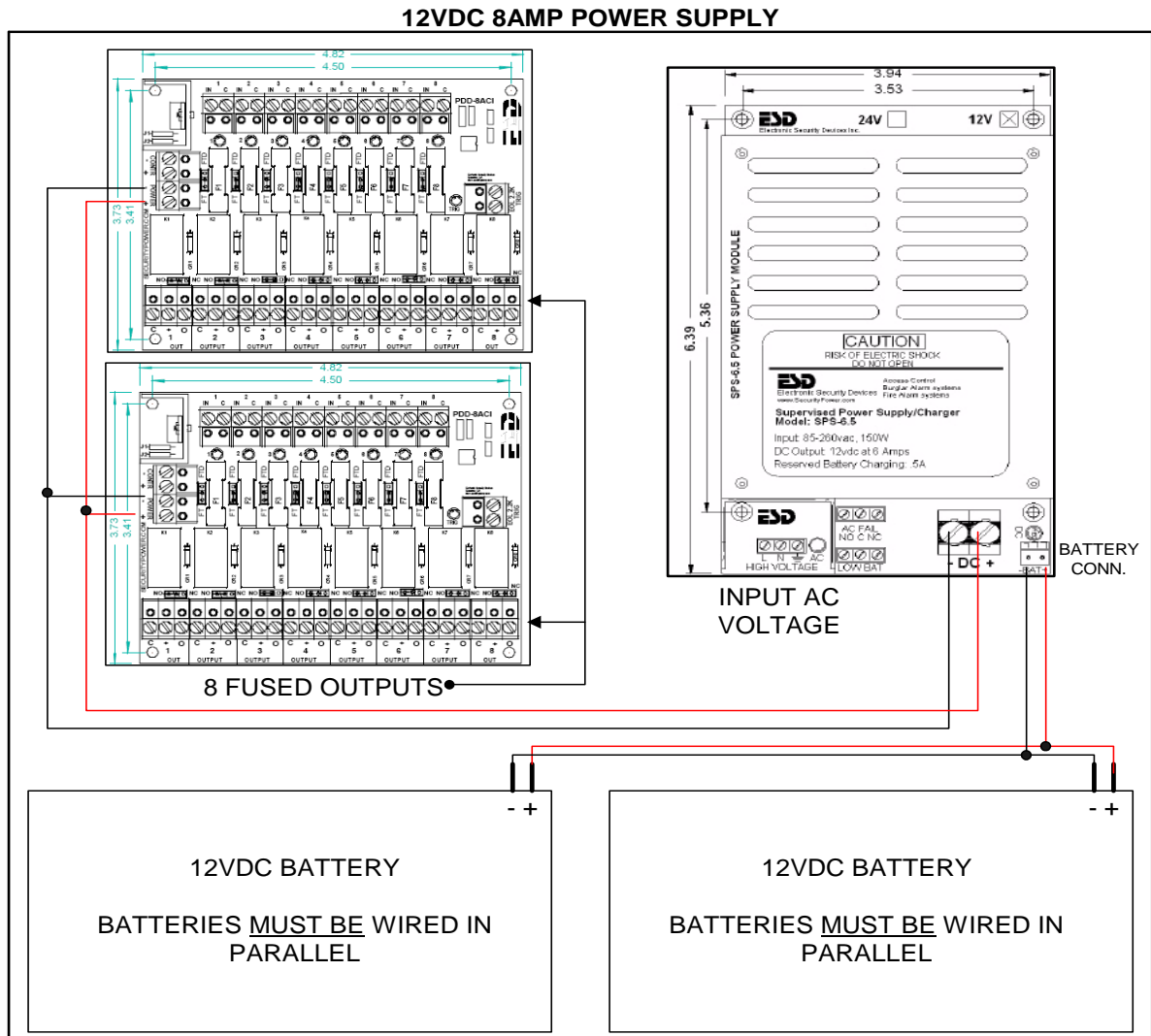


Figure 3-1 Advantage 500DE Power Requirements

SECTION 4 POWER AND GROUNDING REQUIREMENTS

Power Supply for Exit Panel



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

**MAX NUMBER OF EXIT PANELS PER
FUSED OUTPUT IS: 10**



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



**MAX NUMBER OF EXIT PANELS PER
POWER SUPPLY IS: 40**

**Power Wire 14/2 Stranded Plenum wire (SCP Part # B60018473).
Power wire is UL requirement. Failure to use this wire removes UL Listing.**

SECTION 5 TYPICAL INSTALLATION

NOTE: All life safety and electrical codes must be strictly followed.

1. Seek prior approval from the local life/fire safety officials before installing the Advantage 500DE locking system.
2. Identify all equipment to be installed and inspect for any damage that may have resulted during shipment. If damage is found notify the carrier immediately and arrange for inspection. Be sure to retain all packing material.
3. Run all Nurse Station and fire alarm cables.
4. Determine the location of the Advantage 500DE Exit Panel and cut holes in the wallboard as needed. Mount surface mount boxes if required. **The Advantage 500DE Exit Panel should be mounted 48 inches from the center of the panel to the floor.**
5. Mount the electromagnetic lock in strict accordance with the manufacturer instructions.
6. Mount the magnetic door contacts on the swing edge of the door.
7. Route all wires into the Advantage 500DE Exit Panel box. (Door contact, Nurse Station, Exit Panel power, Magnetic Lock, etc...)
8. Prepare all wires for connection to the Advantage 500DE Exit Panel.
9. Determine the location for the Nurse Station and cut hole in wallboard or mount surface mount box as needed.
10. Route Nurse Station cables into the mounting box and prepare wire for connection to the Nurse Station.
11. Make all wiring connections as shown on the following pages.
12. Plug in all power supplies and batteries on the Advantage 500DE Exit Panel as well as the Nurse Station.
13. The system is now ready for testing.
14. Once all connections have been made and the equipment tested for proper operation, the facility's fire alarm service company makes the connection to the fire alarm control panel.

NOTE: Up to eight Advantage 500DE Exit Panels can be interfaced to a single relay in the fire alarm control panel. See the fire alarm connection section of the manual for more details.

15. Test the fire alarm interface connection by placing the fire alarm system into an alarm mode. **All locks should immediately release.**
16. The system should now be operational and your local distributor should provide in-service training.

This product meets UL 294 Standards

Advantage 500DE Exit Panel



Input Power: 12-15VDC, 150mA

Magnetic Locks



Input Power: 12- 15VDC, 500mA

4 Channel Monitoring Station



Input Power: 12-15VDC, 150mA

8 Channel Monitoring Station



Input Power: 12-15VDC, 300mA

Wire specifications:

- Plenum Shielded Fire Wire: 1 pair 16 AWG, part number B60000438
- Plenum Shielded Nurse Station Wire: 1 pair 22 AWG, part number B60000429
- Plenum Shielded Lock Wire: 3 pair 22 AWG, part number B60000440
- Plenum Shielded Power Wire: 1 pair 14 AWG, part number B60018473

NOTE: The magnetic lock is connected to the normally open side of the relay and closes upon activation. Lock relays are activated by the presence of a valid transmitter. Lock relays will remain in a locked state while a valid transmitter is within the detection area of the Advantage 500 DE system.

Nurse/Elevator Relay (1) DPDT Form C: 30VDC, 1A max.

NOTE: The Nurse and Elevator relays are activated when the Advantage 500DE Exit Panel is in an alarm state. The Nurse/Elevator relay will remain active until the Advantage 500DE Exit Panel is reset.

Mounting Boxes for Exit Panels: Flush Mount Box SCP Part #A10000210
 Surface Mount Box SCP Part #401
 Dimensions: 4-1/2" (H) x 6-3/8" (W)



2 hour flame rated back boxes available upon request



CAUTION: Use only the DC power supply provided with these units. Use of a different DC power supply may increase the risk of fire or electric shock.

- LEGEND**
1. Dip Switch's
On/of
Mute
Hi/Low
 2. 12-15VDC power input
 3. Electromagnetic lock
Delayed Egress connection.
 4. Normally Closed door
contact connection
 5. Momentary Push Button or
Non-latching Key Switch
 6. Fire alarm Normally Open
dry alarm relay connection
(field selectable)
 7. Elevator relay
 8. Nurse Station relay
 9. Electromagnetic lock relays,
one and two connections
 10. Remote Keypad
connection (seven pin)

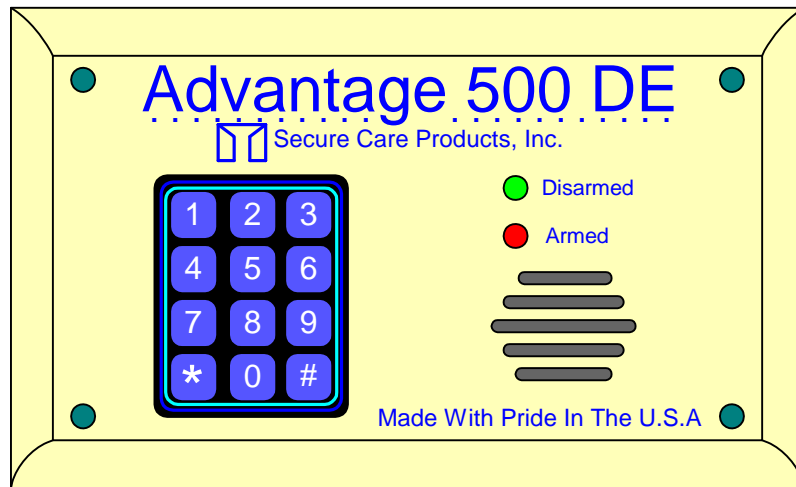


Figure 7-1 Advantage 500DE Exit Panel, Front View

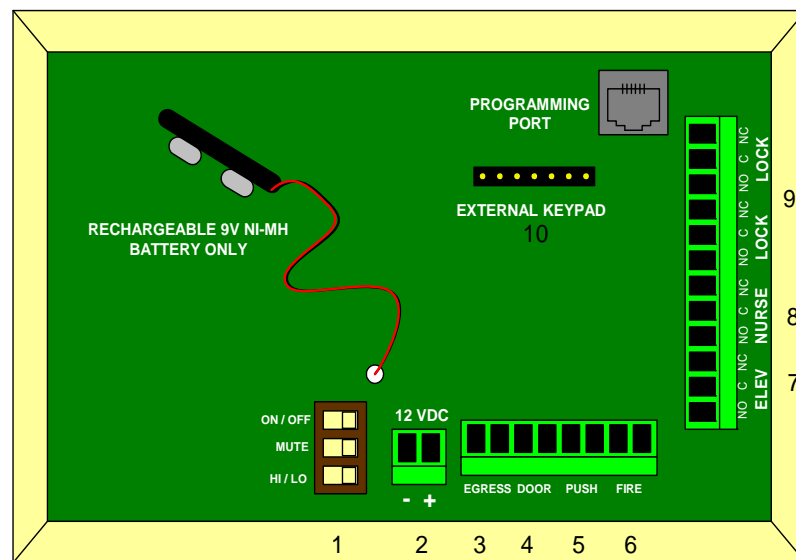


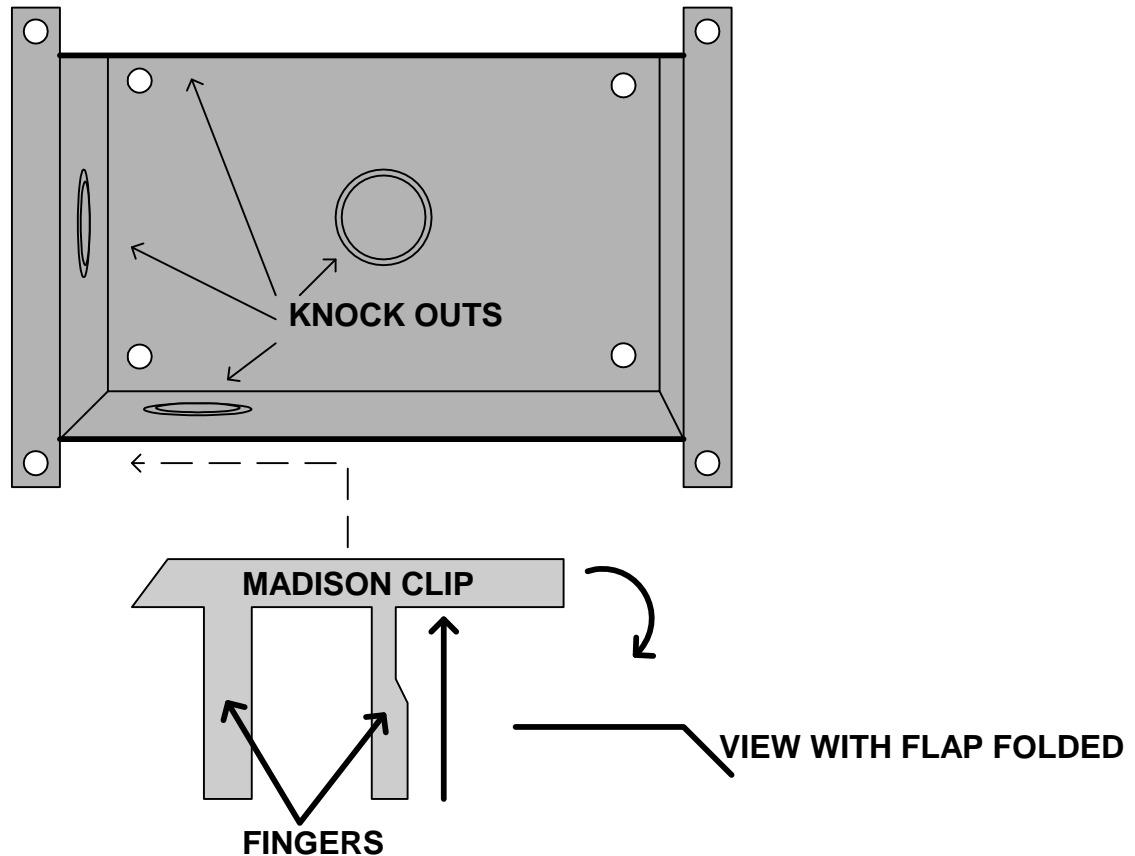
Figure 7-2 Advantage 500DE Exit Panel, Rear View

SECTION 7 SYSTEM COMPONENTS

Flush Mount Box



2 hour flame rated back boxes available upon request



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 7-3 Flush Mount Back Box

Surface mount Box

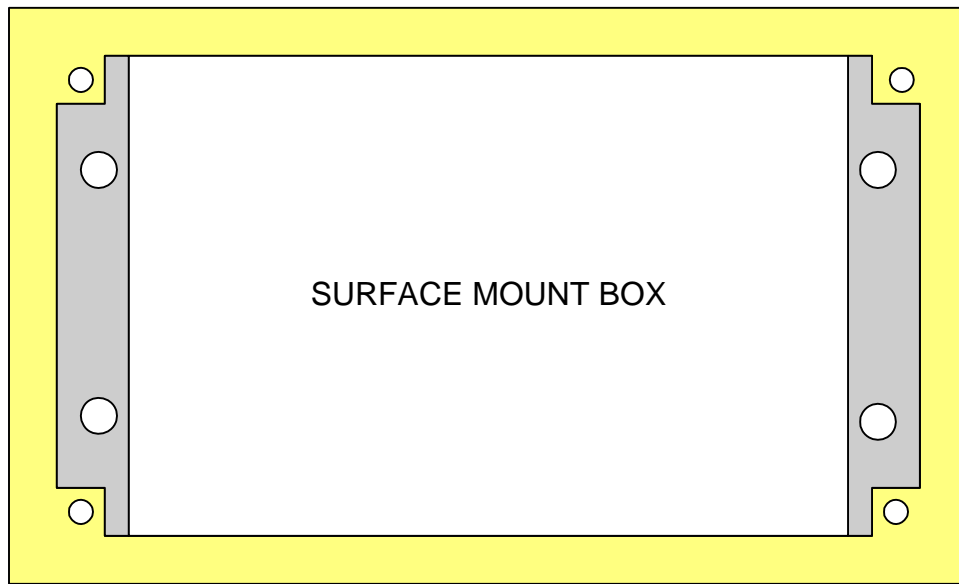


Figure 7-4 Surface Mount Box

Standard operation

The Advantage 500DE Exit Panel is normally armed. To exit through the protected door, enter a valid escort code into the keypad and open the door. Any time the door is opened without entering a valid escort code into the keypad, the alarm will sound. When the A41010900 electromagnetic lock is used, the door is normally locked restricting access to authorized staff members.

PM mode of operation

The Advantage 500DE Exit Panel can be programmed to unlock or disarm during certain hours of the day, it then will automatically lock and unlock at the specified times. These specific times are programmed into the panel by following the PM programming instructions provided in this Manual. (See *Section 8*)

Delayed Egress timing control

When used with the A41010900 electromagnetic lock, the Advantage 500DE Exit Panel controls the delayed egress function of the system. Per Life Safety Code 101, this feature must be used any time the Advantage 500DE System is used with the A41010900 electromagnetic lock on any door which is designated as an emergency exit door. Delayed Egress timing is selectable for 15 or 30 seconds.

NOTE: Local officials must approve, in writing, 30-second egress timing prior to use.

Anti-tailgate

This feature re-arms the door automatically after an authorized staff member has passed through the door and it closes. This prevents unauthorized people from waiting until the staff member passes through the door and exiting without creating an alarm condition.

SECTION 9 INSTALLATION AND CONNECTIONS

4 & 8 Channel Nurse Station Connections

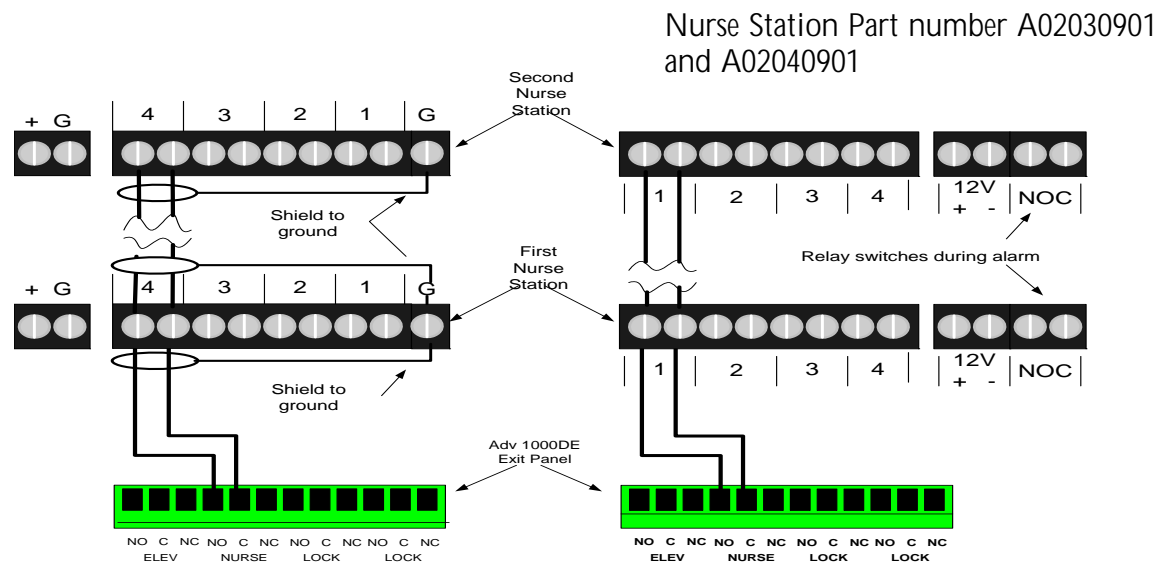


Figure 9-1 Single or Double Nurse Station Connections

LED Nurse Station Annunciator

A02030901 (A02040901)

The A02030901 (A02040901) Nurse Station Annunciator is a basic dry contact driven series of LED's and piezo sounders designed to provide a specific location of a device in alarm. There are no communication requirements from the field device to the annunciator. The field device can provide a dry contact closure during an alarm event. If each field device is wired properly to the remote annunciation location, the closure will provide an alarm on one of four (or eight) LED locations on the face of the unit.

Each field device requires a two conductor shielded home run (single length of wire from beginning point to end point) without any breaks or splices. **LED Nurse Stations with part # 203 of 204 are not compatible with LED Nurse Stations with part #'s A02030901 and A02040901**

The A02030901 Nurse Station Annunciator requires a mounting box A10000210 for flush mounted applications and mounting box 401 for surface mounted applications. The A02040901 Nurse Station Annunciator requires a mounting box 449 for flush mounted applications and mounting box 448 for surface mounted applications.

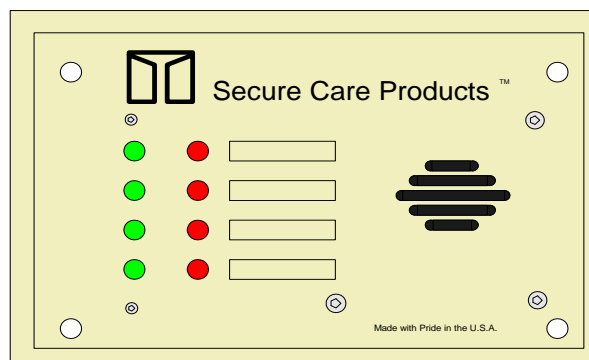


Figure 9-2 Nurse Station Front View

SECTION 9 INSTALLATION AND CONNECTIONS

Sounder Connections

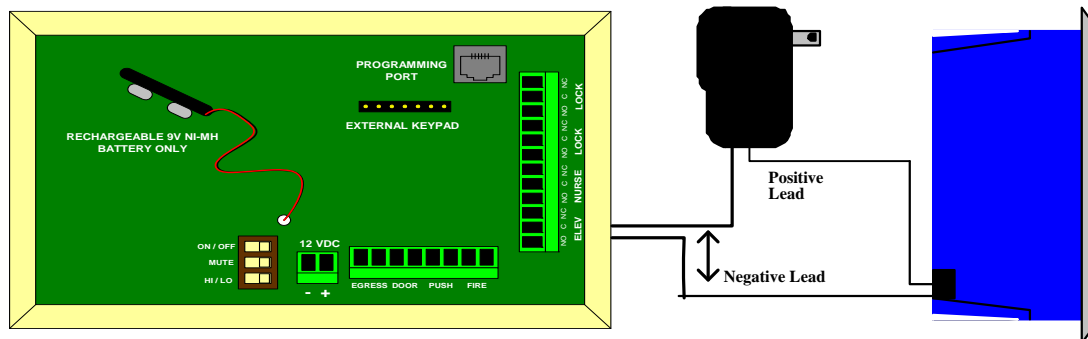


Figure 9-3 Advantage 500DE to Sounder Connections

Connect the positive lead of the DC transformer to the positive side of the sounder. Connect the negative lead to one side of the nurse relay. Run a jumper wire from the other side of the nurse relay to the negative side of the sounder.

SECTION 9 INSTALLATION AND CONNECTIONS

Single or Double Magnetic Door Contact Connections

NOTE: Install the magnetic contacts approximately 1/4 inch (6mm) apart. The magnetic contacts should not touch when the door is closed.

NOTE: When connecting a double 2 set of magnetic door contacts, splice the door magnetic contacts in series as show at the right below.

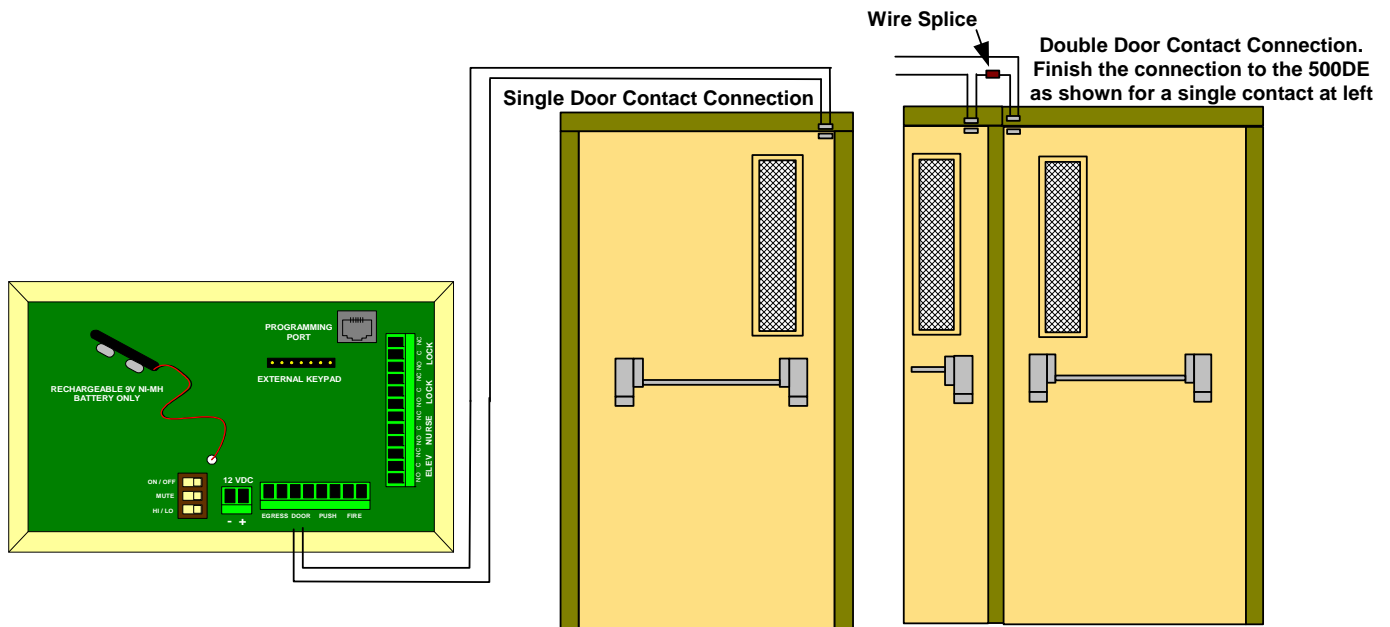


Figure 9-4 Advantage 500DE to One or Two Sets of Magnetic Door Contacts Connections

SECTION 9 INSTALLATION AND CONNECTIONS

Normally Open Push Button (P/N A04150900) Connections

NOTE: The use of release devices which provide a maintained closure are not recommended for use with Advantage 500DE System.

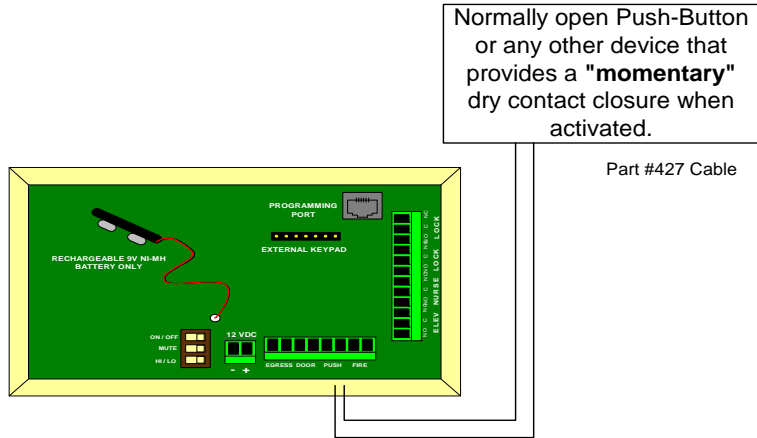


Figure 9-5 Advantage 500DE to Push Button Connections

Use SCP Part #B60000429 wire to connect the Push Button to the Advantage 500DE Exit Panel. When the Push Button is activated the escort delay feature is activated and the door will become disarmed for the programmed exit delay. (See programming section of this Manual (*Section 8*) for setting and/or changing the escort delay time.)

Remote Keypad Connections

When connecting the Remote Keypad connect the ribbon cable as shown below in Fig. 9-6. Figure 9-6 is intended as a reference to show that no matter the orientation of the Advantage 500DE Exit Panel with respect to the Remote Keypad, the connections at each end of the ribbon cable should match as shown.

- Available Ribbon Cables
- Part # A05031031 = 2 feet
 - Part # A05031032 = 10 feet
 - Part # A05031033 = 15 feet
 - Part # A05031034 = 30 feet

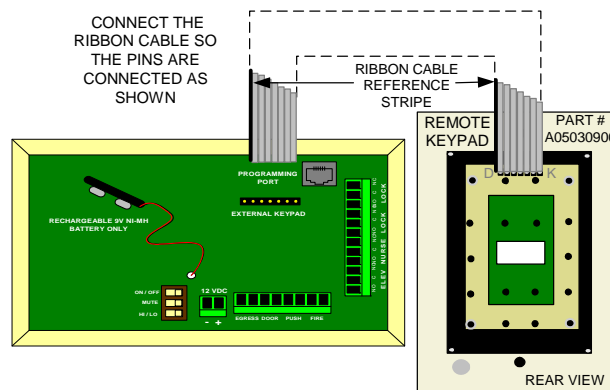


Figure 9-6 Advantage 500DE to Remote Keypad Connections

SECTION 9 INSTALLATION AND CONNECTIONS

Electromagnetic Lock Connections

Connecting a single electromagnetic lock to the Advantage 500DE Exit Panel

Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Fig. 9-7 below for connection to the Advantage 500DE Exit Panel. Use the SCP part #B60000440 22AWG, six-conductor wire for connections.

NOTE: All applicable electrical and life safety codes must be strictly adhered to when installing the system.

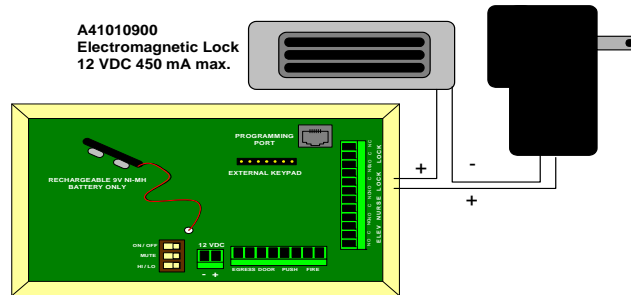


Figure 9-7 Advantage 500DE to Electromagnetic Lock Connections

NOTE: When using electromagnetic locks, the system must be interfaced to the building's fire alarm control system. A normally open dry contact relay is required in the fire alarm control panel for connection to the Advantage 500DE System. Up to eight Advantage 500DE Exit Panels can be interfaced to this relay. If your application includes more than eight units then multiple relays are required. (See *Fire Alarm Connections* in this section of the Manual for more details.)

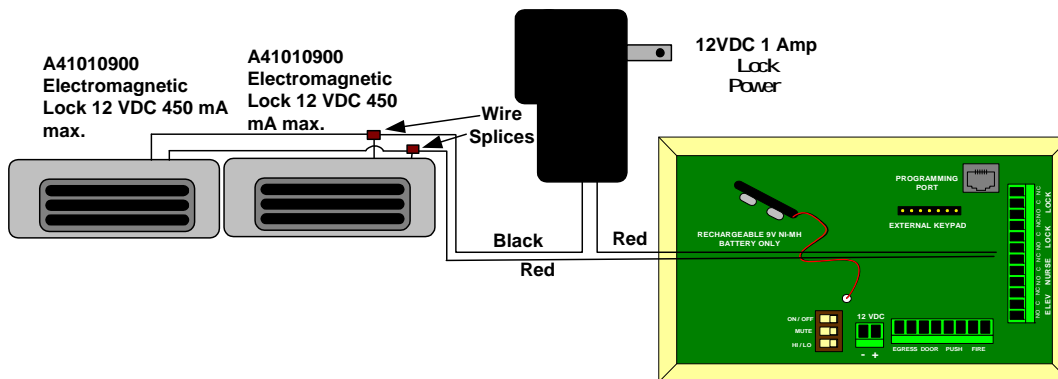


Figure 9-8 Advantage 500DE to Two Electromagnetic Lock Connections

Connecting multiple electromagnetic locks to the Advantage 500DE Exit Panel

Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Fig. 9-8 for connection to the Advantage 500DE Exit Panel. Use the SCP part #B60000440 22AWG, six-conductor wire for connections.

SECTION 9 INSTALLATION AND CONNECTIONS

Delayed Egress Switch Connections

Connecting the Delayed Egress Switch to the Advantage 500DE System (A41010900 Lock only)

Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Fig. 9-9 in this Manual for connections to the Advantage 500DE Exit Panel. Use the SCP part #B60000440 22AWG, six-conductor wire for connections. All applicable electrical and life safety codes must be strictly adhered to when installing the systems. Refer to manufacturer's instructions for details of proper delayed egress operation. (See *Section 10* of this Manual for delayed egress programming details.)

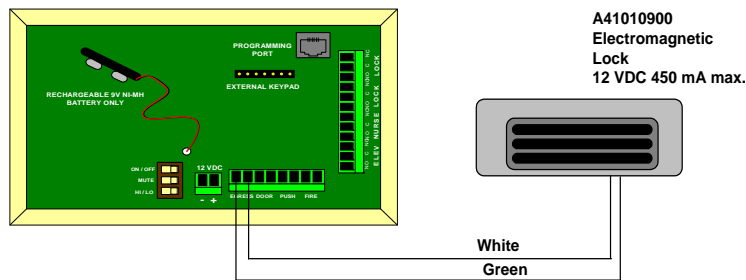


Figure 9-9 Advantage 500DE to Egress Switch Connections

NOTE: Delayed egress switches are wired in parallel.

Connecting multiple Delayed Egress switches to the Advantage 500DE Exit Panel

Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Fig. 9-10 for connection to the Advantage 500DE Exit Panel. Use the SCP part #B60000440 22AWG, six-conductor wire for connections. All applicable electrical and life safety codes must be strictly adhered to when installing the systems. Refer to manufacturer's instructions for details of proper delayed egress operation. (See *Section 10* of this Manual for delayed egress programming details.)

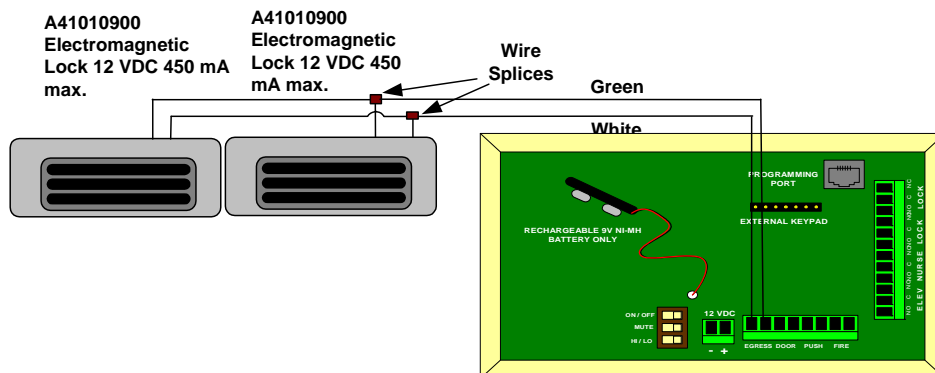


Figure 9-10 Advantage 500DE to Two Egress Switch Connections

SECTION 9 INSTALLATION AND CONNECTIONS

Single Panel Fire Alarm Connections

NOTE: After completing the fire alarm connection, the fire alarm system must be placed into an alarm condition to verify immediate release of all locks.

NOTE: Prior to 10/20/97, the Nurse Station Panel would alarm during fire alarm condition. After 10/20/97, the Nurse Station Panel does not alarm during fire alarm condition.

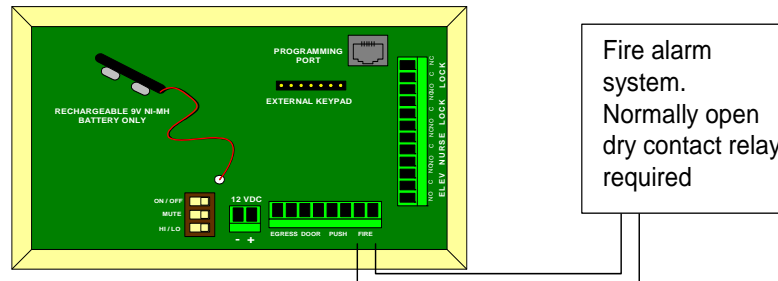


Figure 9-11 Advantage 500DE to a Fire Alarm System Connections

Connecting an Advantage 500DE Exit Panel to the Fire Alarm Control Panel.

Use SCP Part #B60000438 16Awg wire for connection of the Advantage 500DE Exit Panel to the fire alarm panel. Up to eight Advantage 500DE Exit Panels can be connected in parallel to a normally open, dry relay contact in the fire alarm control panel.



NOTE: Per NFPA-101, any locking device installed on a designated emergency exit door must be overridden by the fire alarm control panel in case of fire alarm activation. A qualified fire alarm technician must complete fire alarm connections.

Do not connect more than eight panels in parallel to a single fire alarm relay. Doing so could result in failure of the fire alarm release feature during a fire alarm emergency.

SECTION 9 INSTALLATION AND CONNECTIONS

Multiple Panel Fire Alarm Connections

NOTE: After completing the fire alarm connection, the fire alarm system must be placed into an alarm condition to verify immediate release of all locks.

NOTE: Prior to 10/20/97, the Nurse Station Panel would alarm during fire alarm condition. After 10/20/97, the Nurse Station Panel does not alarm during fire alarm condition.

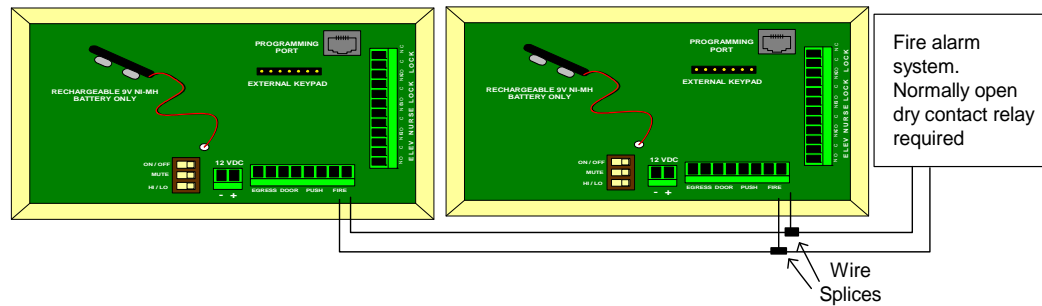


Figure 9-12 Multiple Advantage 500DE's and Fire Alarm Control Panel Connections

Connecting Multiple Advantage 500DE Exit Panels to the Fire Alarm Control Panel.

Use SCP Part # B60000438 16Awg wire for connection of the Advantage 500DE Exit Panel to the fire alarm control panel. Up to eight Advantage 500DE Exit Panels can be connected in parallel to a normally open, dry relay contact in the fire alarm control panel.



NOTE: Per NFPA-101 any locking device installed on a designated emergency exit door must be overridden by the fire alarm control panel in case of a fire alarm activation.

Do not connect more than eight panels in parallel to a single fire alarm relay. Doing so could result in failure of the fire alarm release feature during a fire alarm.

Basic Panel Operation

The **factory default settings** for the Advantage 500DE Exit Panel are as follows: armed 24 hours per day, with a reset code of *234 and an authorized entry/exit escort time of 30 seconds.

If connected only to a set of door contacts, it is an **access control perimeter alarm**. (*Section 9* of this Manual has more information on perimeter access control.) If the (4101SC) electromagnetic lock is connected to the Advantage 500DE Exit Panel, it becomes an **access control door locking system**. (*Section 10* of this Manual has more information on access control door locking.)

If the **green LED** is on, you can go through the door without causing an alarm.

If the **red LED** is on then either the door is locked or is armed, in which case an alarm will occur if the door is opened. However, if the primary or secondary reset code is entered, you may open the door without creating an alarm.

The anti-tailgate feature is always *enabled*. This feature automatically rearms the system when the door is closed following an authorized entry or exit regardless of how much time remains of the Authorized Entry Time.

Panel Initialization

To reset the panel to factory settings enter *603 *8675309999 and nine beeps will be heard. This will reset all programming to factory settings.

Primary Reset Code: any 3 digits preceded by *

Default: *234

To change the primary reset code, enter *567 (secondary code) *9876543210#XXX#, one beep should be heard. The XXX is the new three-digit number to be used.

Secondary Code: any 3 digits preceded by *

Default: *567

To change the secondary reset code, enter *567 (secondary code) *9876543211#XXX#, one beep should be heard. The XXX is the new three-digit number to be used.

Authorized Entry Time: 15, 30, 60, or 120 seconds

Default: 30 seconds

To change, enter *567 (secondary code) * then the corresponding number (hold for one beep)
1= 15 seconds 2= 30 seconds 3= 60 seconds 4= 120 seconds

Toggle on Toggle off:

Default: armed

To toggle **off** enter *567 (secondary code) *6 holding until 4 beeps are heard
To toggle **on** enter *567 (secondary code) *6 holding until 1 beep is heard

PM Program: enabled or disabled

Default: disabled

To enable PM Program enter *567 (secondary code) *7 holding until four beeps are heard.
To disable PM Program enter *567 (secondary code) *8 holding until one beep is heard.

SECTION 10 PROGRAMMING INSTRUCTIONS

Egress Activation for Nuisance Silent

Default disabled

By default there is a nuisance beeping that will sound, for the first 3 seconds, when applying pressure to the door during egress. With the Nuisance Silent Feature enabled, it will be silent for the first 3 seconds, when applying pressure to the door during egress.

To enable Nuisance Silent enter *567*9876543212 holding the 2 for 2 beeps
To disable Nuisance Silent enter *567*9876543213 holding the 3 for 5 beeps

Delayed Egress Activation Time

Each Advantage 500DE 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

Default 3 Seconds

To change the activation time you will need to toggle through the programming code until the desired time is achieved.

*567*9876543217
10 beeps the activation time is set for zero seconds.
1 beep the activation time is set for one second.
2 beeps the activation time is set for two seconds.
3 beeps the activation time is set for three seconds.

Delayed Egress Release Time

Default 15 Seconds

Each Advantage 500DE 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. The factory default delayed egress release time is fifteen (15) seconds.

To change the release time **from 15 to 30 seconds**, follow the listed steps without pausing for greater than one second between keystrokes.

1. *567 (or currently programmed secondary code) * 30 2 beeps indicates time change was accepted.

To change the release time **from 30 to 15 seconds**, follow the listed steps without pausing for greater than one second between keystrokes.

1. *567 (or currently programmed secondary code) * 15 1 beep indicates time change was accepted.

NOTE: Local officials must approve, in writing, 30-second egress timing prior to use.

SECTION 10 PROGRAMMING INSTRUCTIONS

Software Version Verification:

To verify the version of the software installed in the panel, enter *567 (secondary code) *9876543215 and count the number of times the LED's blink. This will be the Software Version.

Example: 3 blinks... 7 blinks...10 blinks 9 blinks, the software version would be 3.7.0.9

PM Programming Options

Armed 24 hours per day, seven days per week: No programming is required. This is the factory default condition.

Same arm and disarm times seven days a week:

1. Enter the programming by pressing *567 *987654321 and hold the "1" until you hear the panel beep once.
2. Enter the current day of the week:
1 = Monday, 2 = Tuesday, 3 = Wednesday ...7 = Sunday
You will hear two beeps.
3. Enter the current time of day. (Enter as military time. *Example 2:03PM would be 1403.*)
You will hear three beeps.
4. Enter 0 which programs all days of the week the same.
You will hear one beep.
5. Enter the time you want the exit to disarm. (Enter as military time. *Ex. 7:00AM would be 0700*)
You will hear two beeps.
6. Enter the time you want the exit to arm. (Enter as military time. *Ex. 5:00PM would be 1700*)
You will hear three beeps.
7. To exit programming, press *
You will hear four beeps.
8. To activate the new PM Mode enter *567 *7 holding the 7 until you hear four beeps.
NOTE: It may take up to 10 seconds to hear the beeps.

Same arm and disarm times during the week, but the weekend is armed 24 hours:

1. Enter the programming by pressing *567 *987654321, holding the 1 until you hear one beep.
2. Enter the current day of the week:
1 = Monday, 2 = Tuesday, 3 = Wednesday ... 7 = Sunday
You will hear two beeps.
3. Enter the current time of day, in military time. *Example 9:17 PM would be 2117.*
You will hear three beeps.
4. Enter the day of the week to be programmed:
1 = Monday, 2 = Tuesday, 3 = Wednesday ... 7 = Sunday
You will hear one beep.
5. Enter the time of day the system will disarm itself. (Enter as military time.)
You will hear two beeps.
6. Enter the time of day the system will arm itself. (Enter as military time.)
You will hear three beeps.
Continue using steps 4 through 6 until all days of the week have been programmed.

SECTION 10 PROGRAMMING INSTRUCTIONS

7. To exit the programming mode press *
You will hear four beeps
8. To activate the new PM Mode enter *567 *7 holding the 7 until you hear four beeps.
NOTE: It may take up to 10 seconds to hear the beeps.

Different days will have different programs (one per day):

1. Enter the programming by pressing *567 *987654321 holding the 1 until you hear the panel beep once.
2. Enter the current day of the week.
1 = Monday, 2 = Tuesday, 3 = Wednesday... 7 = Sunday
You will hear two beeps.
3. Enter the current time of day, in military time. *Example 9:17 PM would be 2117.*
You will hear three beeps.
4. Enter the day of the week to be programmed.
1 = Monday, 2 = Tuesday, 3 = Wednesday... 7 = Sunday
You will hear one beep.
5. Enter the time of day the system will disarm itself. (Enter as military time.)
You will hear two beeps.
6. Enter the time of day the system will arm itself. (Enter as military time.)
You will hear three beeps.
Continue using steps 4 through 6 until all days of the week have been programmed.
7. To exit programming mode press *
You will hear four beeps.
8. To activate the new PM Mode enter *567 *7 holding the 7 until you hear four beeps.

NOTE: It may take up to 10 seconds to hear the beeps.

SECTION 10 PROGRAMMING INSTRUCTIONS

No Code/ Irreversible Delayed Egress

Each Advantage 500DE 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/ Irreversible Delayed Egress

Factory Default Disabled

To **enable** the No Code/ Irreversible 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 *9876543219#808#
3. Two confirmation beeps or blinks = change accepted

To **disable** the No Code/ Irreversible 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 *9876543219#808#
3. One beep/blink confirmation = change accepted

Latching Fire Alarm

This feature when enabled will keep the door unlocked after the fire alarm is cleared you will need to enter the reset code at the panel for the locks to lock again.

Factory Default Disabled

To **Enable** the Latching Fire Alarm

1. Enter *567(or currently programmed secondary code) *9876543214
2. Two confirmation beeps = change accepted

To **Disable** the Latching Fire Alarm

1. Enter *567(or currently programmed secondary code) *9876543214
2. One confirmation beep = change accepted

Life Safety Lock

You can lock all **Life Safety 101** features. This will lock the delayed egress and fire alarm settings. This feature is **NON REVERSIBLE** and cannot be undone by initializing the Advantage 500DE Exit 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, Inc. to be reprogrammed.

To **LOCK** Life Safety Features:

Enter *567 (or currently programmed secondary code) then *9876543219#999#

SECTION 11 TESTING THE ADVANTAGE 500DE PERIMETER ACCESS CONTROL

Verify that all wiring connections are complete and wired as shown in the diagrams in Section 7 of this manual.

The Advantage 500DE Exit Panel out of the box, with power supplied, should be in the armed mode and the red LED ON.

Open the door. The Advantage 500DE Exit Panel should alarm. The green and red LED's will flash and an audible alarm will sound from the Advantage 500DE Exit Panel. The #203 Nurse Station will also alarm if your system is so equipped. Close the door.

Enter the reset code into the keypad on the Advantage 500DE Exit Panel. (The factory default reset code is *234. This code can be changed by following the programming instructions in this Manual.) The alarm will discontinue and the Advantage 500DE Exit Panel should again be in the armed mode with the red LED on.

RECOMMENDED WEEKLY TESTS

Testing the Escort and Anti-tailgate Features

Enter the reset code into the keypad on the Advantage 500DE Exit Panel. The red LED should turn off and the green LED should turn on. Open the door. No alarm condition should be activated. **(This is the Escort Feature)**

Now close the door, the Advantage 500DE Exit Panel should again be in the armed mode with the red LED on. **(This is the Anti-tailgate Feature)**

Testing the Remote Keypad

If a Remote Keypad has been installed with the Advantage 500DE Exit Panel, repeat the test for the Escort feature and the Anti-tailgate feature using the Remote Keypad.

Testing the Remote Push Button

If a remote Push Button has been installed with the Advantage 500DE panel, repeat the test for the Escort feature and the Anti-tailgate feature using the Push Button.

RECOMMENDED ANNUAL SERVICE

Battery Replacement

The battery should be replaced annually with a rechargeable 9VDC NI-MH battery (SCP PN B15360501)

SECTION 12 TESTING THE ADVANTAGE 500DE DELAYED EGRESS MAGNETIC LOCKING SYSTEM

Verify that all wiring connections are complete and wired as shown in the diagrams in *Section 7* of this manual.

The Advantage 500DE Exit Panel, out of the box with power supplied, should be in the armed mode and the red LED ON., and the door equipped with the Magnetic Locking System should be LOCKED.

RECOMMENDED WEEKLY TESTS

Testing the Escort and Anti-tailgate Features

Enter the reset code into the keypad on the Advantage 500DE Exit Panel. The red LED should turn off and the green LED should turn on. Open the door. No alarm condition should be activated. **(This is the Escort Feature)**

Now close the door. The red LED should immediately turn on, the Advantage 500DE Exit Panel should again be in the armed mode, and the door should again be locked. **(This is the Anti-tailgate Feature)**

Testing the Delayed Egress feature

With the door in the armed mode, apply pressure on the opening hardware of the door. The Advantage 500DE Exit Panel should begin to emit an audible indication that the delayed egress feature of the lock has been activated. Wait 15 (or 30) seconds. The door should unlock and open if pushed upon. Close the door. Enter the reset code into the keypad. The Advantage 500DE Exit Panel should reset and return to the armed mode.

Testing the Door Status feature

Enter the reset code into the keypad on the Advantage 500DE Exit Panel, the red LED should turn off and the green LED should turn on. Open the door. No alarm condition should be activated at this point. Keep the door open for 30 or more seconds. The Advantage 500DE Exit Panel should go into an alarm mode. Close the door and enter the reset code into the keypad. The Advantage 500DE Exit Panel should now be in the armed mode with the red LED on.

Testing the Remote Keypad

If a Remote Keypad has been installed with the Advantage 500DE Exit Panel, repeat the test for the Escort feature and the Anti-tailgate feature using the Remote Keypad.

Testing the Remote Push Button

If a remote Push Button has been installed with the Advantage 500DE Exit Panel, repeat the test for the Escort feature and the Anti-tailgate feature using the Push Button.

RECOMMENDED MONTHLY TESTS

Testing the Fire Alarm Release feature

Place the fire alarm system into the alarm mode and verify that all locks release. The Advantage 500DE Exit Panel(s) should be in the fire alarm release alarm condition. Clear the Fire Alarm condition, the red LED should turn on, the Advantage 500DE Exit Panel(s) should again be in the armed mode, and the door(s) should again be locked. After testing the Fire Alarm Release Feature, the Escort, Anti-tailgate and Door Status features should be retested as described above.

RECOMMENDED ANNUAL SERVICE

Battery Replacement

The battery should be replaced annually with a rechargeable9VDC (NI-MH rechargeable battery SCP PN B15360501)

SECTION 13 REPLACEMENT PARTS LIST

<u>Part #</u>	<u>Description</u>
B15360501	9VDC (NI-MH Rechargeable Battery)
A41010901	12 - 15VDC 1.2amp (Plug-in power supply)
1922	N/C Door Contacts
A02030901	Nurse Station Panel, 4 Channels
A02040901	Nurse Station Panel, 8 Channels
A41012900	Dortronics Electromagnetic Lock
A41010913	Dortronics Egress switch (Rocker Type)
A04150900	(Normally Open) Push Button
A05160910	Advantage 500DE Exit Panel
A05030900	Remote Keypad
A05031031	2 foot Ribbon Cables
A05031032	10 foot Ribbon Cables
A05031033	15 foot Ribbon Cables
A05031034	30 foot Ribbon Cables
A02070900	Sounder
A41010901	Power Supply for Sounder

FCC Compliance Statement

This equipment has been tested and found 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 will radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Canadian RFI Equipment Requirement

This Class A digital apparatus complies with Canadian ICES-003.
CET appareil numerique de la classe A est conforme a la norme NME du Canada.

Secure Care Products, Inc.

Concord, New Hampshire USA

Compliance Information Statement

Conforming Product Name :	SMT 500DE and 1000DE Exit Panels
Conforming Model or Part Number :	A05160910, A10000907
Manufacturer and Responsible Party :	Secure Care Products, Inc. 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.

Michael Singer

Name of Responsible Person

R & D Engineer

Company Title or Position

On file

Authorized Signature

01/11/11

Date

A00020633 Rev A

SECTION 15 GENERAL PRODUCT WARRANTY STATEMENT

BY PERMITTING INSTALLATION OR BY MAKING USE OF ANY PRODUCT OR SERVICE DESIGNED OR MANUFACTURED BY SECURE CARE PRODUCTS, INC. ("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 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, 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.

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 inquiries 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

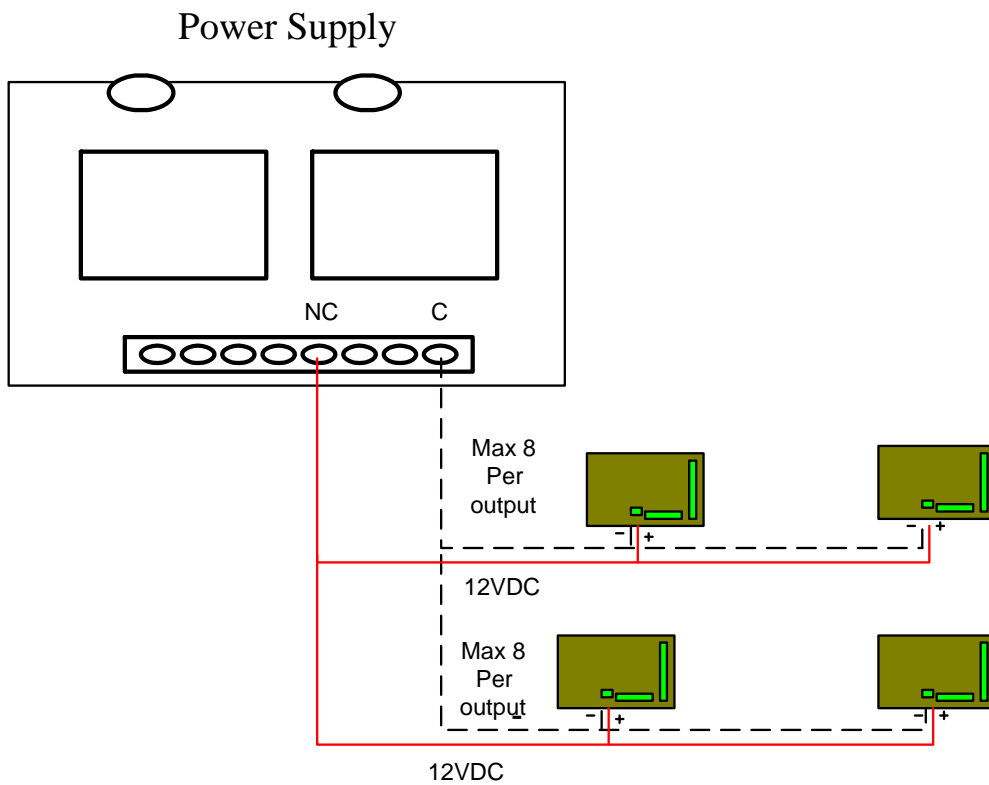
No term or condition of this General Product Warranty Statement may be waived except in writing signed by Secure Care. A waiver on one or more occasions of any term or condition of this General Product Warranty Statement shall not constitute or be deemed to be a waiver of such term or condition on any 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 11/16/07

APPENDIX A 230 VAC INPUT POWER SUPPLY CONNECTION



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



Power Supply for Overseas 230VAC Input Application, Exit Panel Connection

- Up to 32 exits can be connected in a daisy chain using the 12V 5 Amp power supply, a maximum of 8 exits per power loop.
- Exit power wire: 14/2 stranded, unshielded (SCP Part # C60008473)
- When using the SCP power supply, Part # C40000600, verify the voltage setting is at 12V.
- The power distribution board is SCP Part # C40006008.
- For detailed connections and installation please refer to manufacturer's documentation

APPENDIX B CALIFORNIA FIRE MARSHAL LISTING

This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing No. (Listed below) for allowable values and/or conditions for use concerning material presented in this document.

All of the following CSFM Listing Certificates are available by calling Secure Care Products at 1-800-451-7917

CSFM Listing Number	Models
3776-2066:0100	SPS-10CE central power supply
3625-2066:0101	Advantage 1000 DE and Advantage 500 DE door lock control modules
3774-2066:0102	Magsolutions MS20SSU and Dortronics Model 301 magnetic door locks
3625-2066:0103	KinderGuard ID, KinderGuard SC-40 ID, Door Guardian ID, Door Guardian SC-40 ID, Door Guardian 135DE, Door Guardian 135, Door Guardian SC40-DE, Door Guardian 500 DE and 3 Axis ID door control modules

NOTES: