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Installation Manual

SMT Advantage 1000DE System

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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.

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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

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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 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.

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 1000DE System Block Diagram Fig. 2



Typical Installation Wiring Diagram

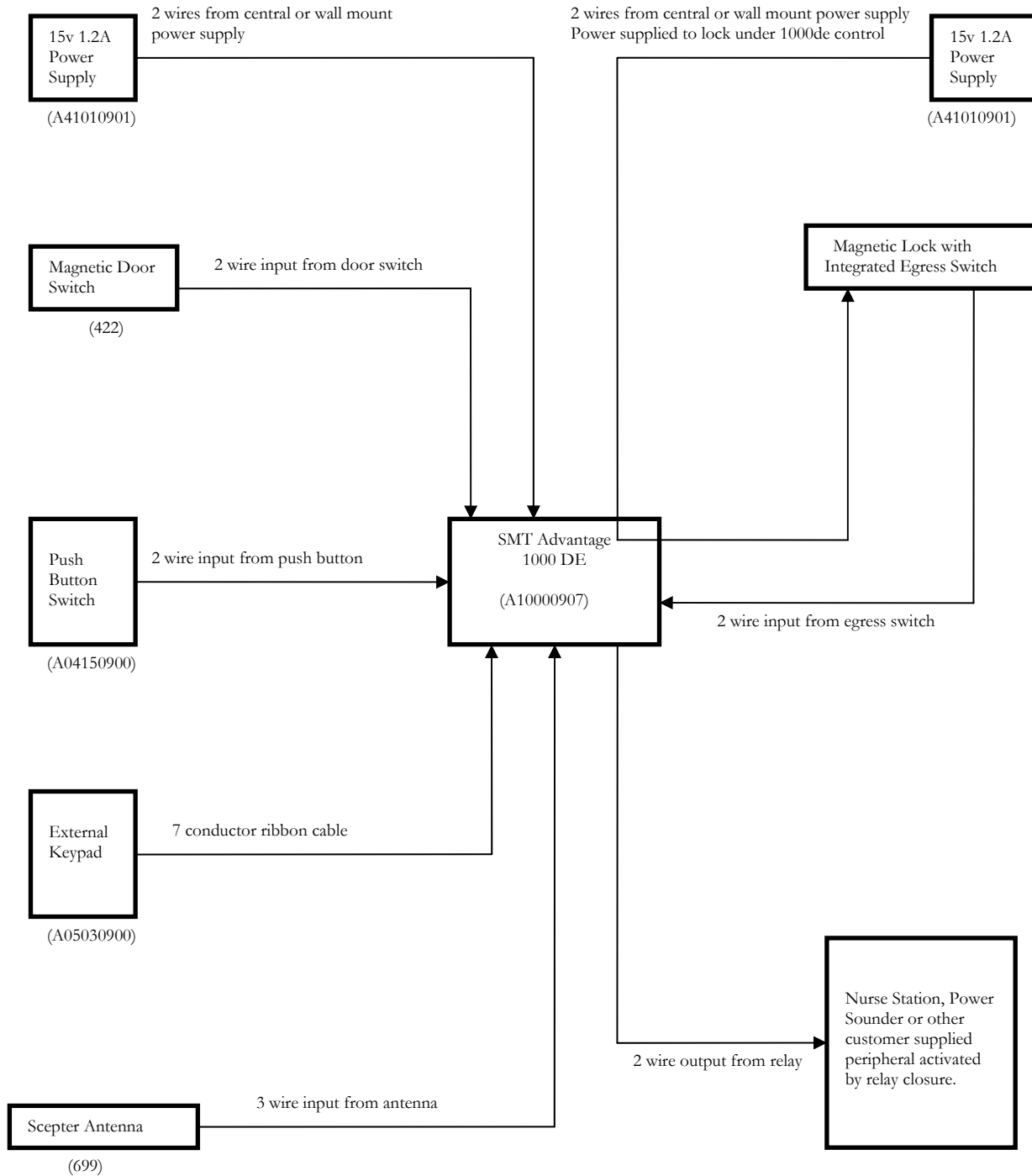


Figure 2-1 System Block Diagram

SECTION 3 POWER 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 SMT Advantage 1000DE Exit location if a wall mount power supply is used.

SMT Advantage 1000DE can be powered from a (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-10CEELACI16CL (Ratings: Input: 110/220/230VAC; Output: 12VDC, 8A) central power supply (SCP# A40020901) may be used to power several 1000DE's. 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 SMT Advantage 1000DE is 12 feet (3.7 meters).



Do not connect to a receptacle controlled by a switch.

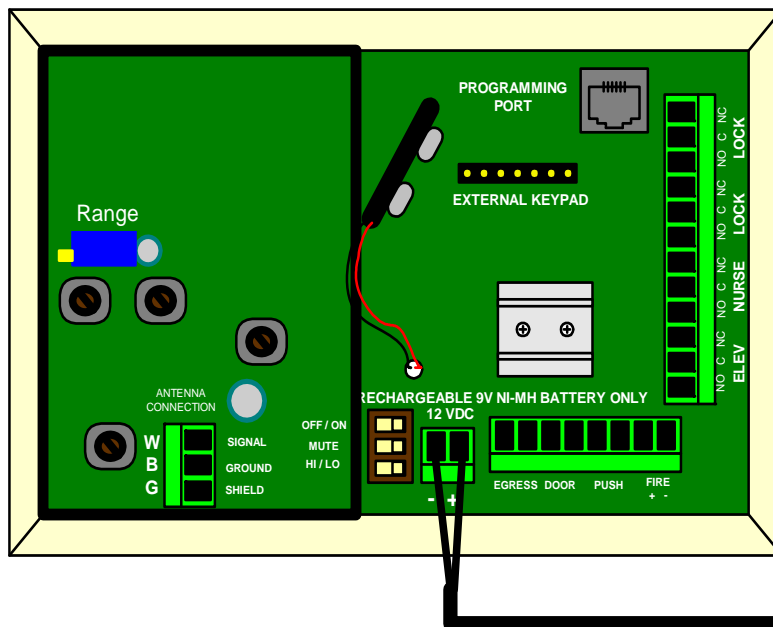
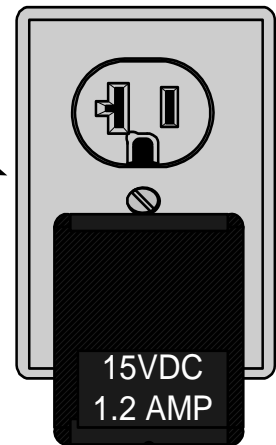
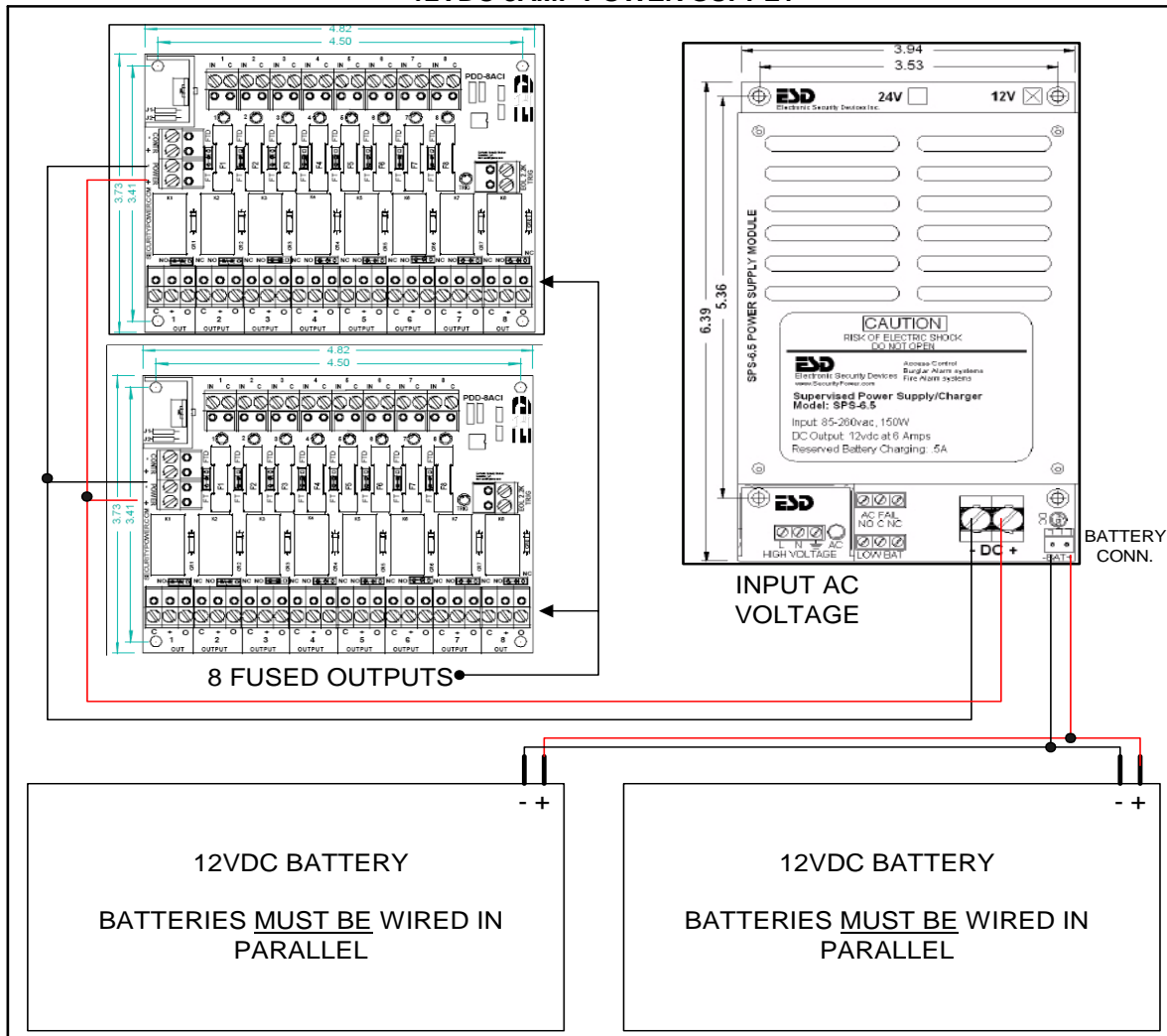


Figure 3-1 SMT SMT Advantage 1000DE Power Requirements

SECTION 3 POWER REQUIREMENTS

Power Supply for Exit Panel

12VDC 8AMP POWER SUPPLY



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 14/22 Stranded Plenum (SCP Part # B60018473).
Power wire is UL requirement. Failure to use this wire removes UL Listing.**

SECTION 4 TYPICAL INSTALLATION

1. Seek prior approval from the local life/fire safety officials before installing the SMT Advantage 1000DE 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 wires.
4. Determine the location of the SMT Advantage 1000DE Exit Panel and cut holes in the wallboard as needed. Install surface mount boxes if required. **Refer to Fig. 4.1**
5. Mount the electromagnetic lock in strict accordance with the manufacturer's instructions.

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

6. Mount the magnetic door contacts on the swing edge of the door.
7. Mount the Scepter[®] Antenna and route the cable into the Exit Panel box. (Scepter Antenna should not be mounted on metal) **Refer to Fig. 4.1**
8. Route all wires into the exit panel box. (Door contact, nurse station, exit panel power, magnetic lock, etc...)
9. Prepare all wires for connection to the SMT Advantage 1000DE Exit Panel.
10. Determine the location for the Nurse Station and cut hole in wallboard or mount surface mount box as needed.
11. Route Nurse Station cables into the mounting box and prepare wire for connection to the Nurse Station.
12. Make all wiring connections as shown on the following pages.
13. Plug in all power supplies and batteries on the SMT Advantage 1000DE Exit Panel as well as the Nurse Station.
14. The system is now ready for tuning and testing.
15. The system should now be operational and your local distributor should provide in-service training.

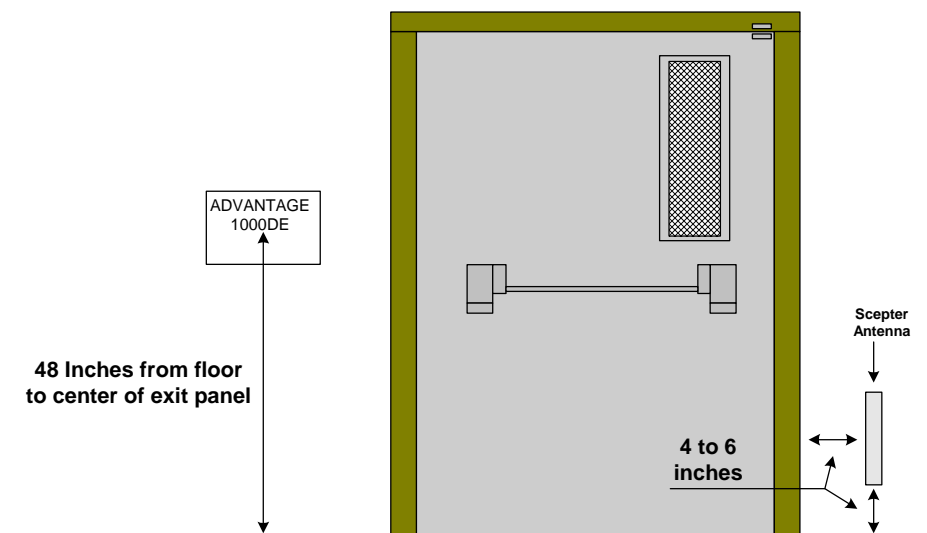


Figure 4-1 Mounting locations examples

This product meets UL 294 Standards

SMT ADV 1000DE



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 Scepter Antenna 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 SMT Advantage 1000DE system.

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

NOTE: The Nurse and Elevator relays are activated when the SMT Advantage 1000DE Exit Panel is in an alarm state. The Nurse/Elevator relay will remain active until the SMT Advantage 1000DE 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 fire 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.

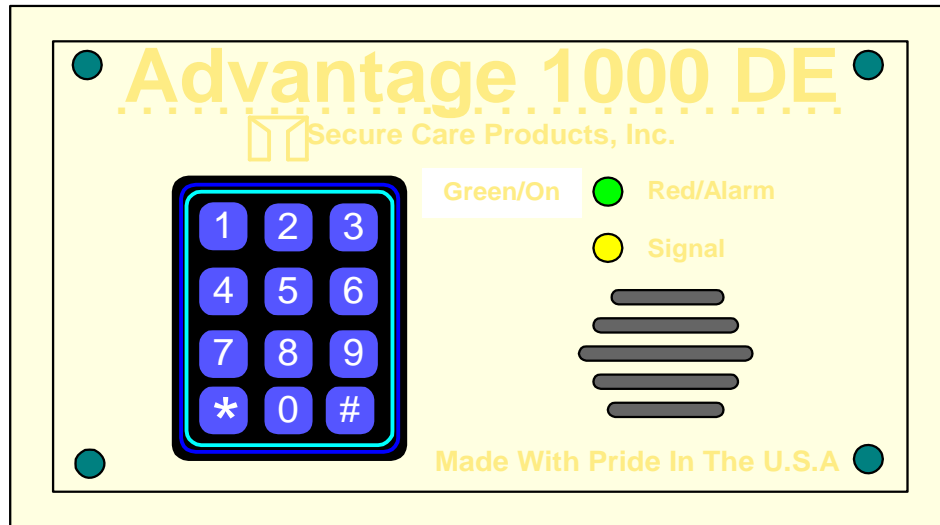


Figure 6-1 SMT Advantage 1000DE Exit Panel Front View

LEGEND

1. Electromagnetic lock Delayed Egress connection
2. Normally Closed door contact connection
3. Momentary Push Button or Non-latching Key Switch
4. Fire alarm Normally Open dry alarm relay connection (field selectable)
5. Remote Keypad connection (seven pin)
6. Electromagnetic lock relays, one and two connections
7. Nurse Station relay
8. Elevator relay
9. 12-15VDC power input connections.
10. Scepter Antenna connection
11. Card Access Input Mode See Appendix B

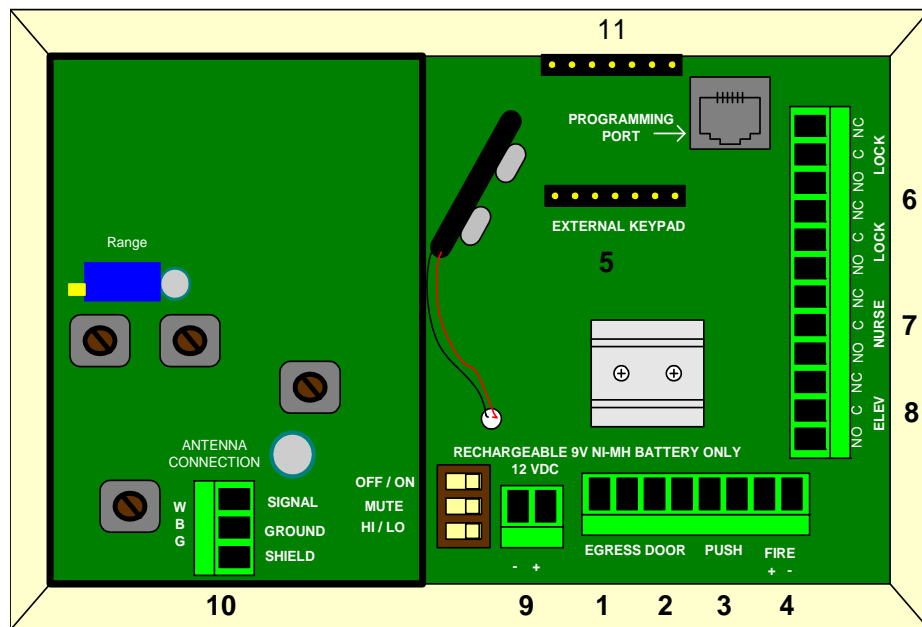


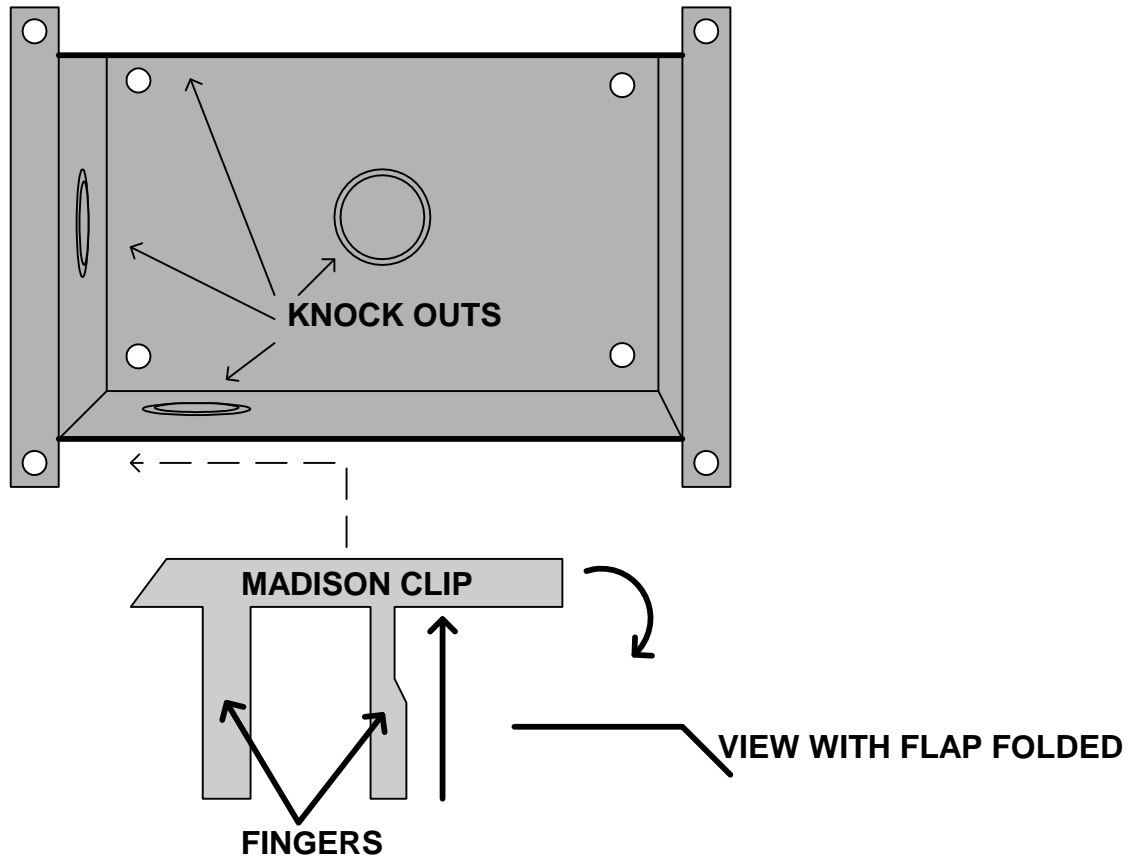
Figure 6-2 SMT Advantage 1000DE Exit Panel Rear Connections View

SECTION 6 SYSTEM COMPONENTS

Flush Mount Box



2 hour fire 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 6-3 Flush Mount Back Box

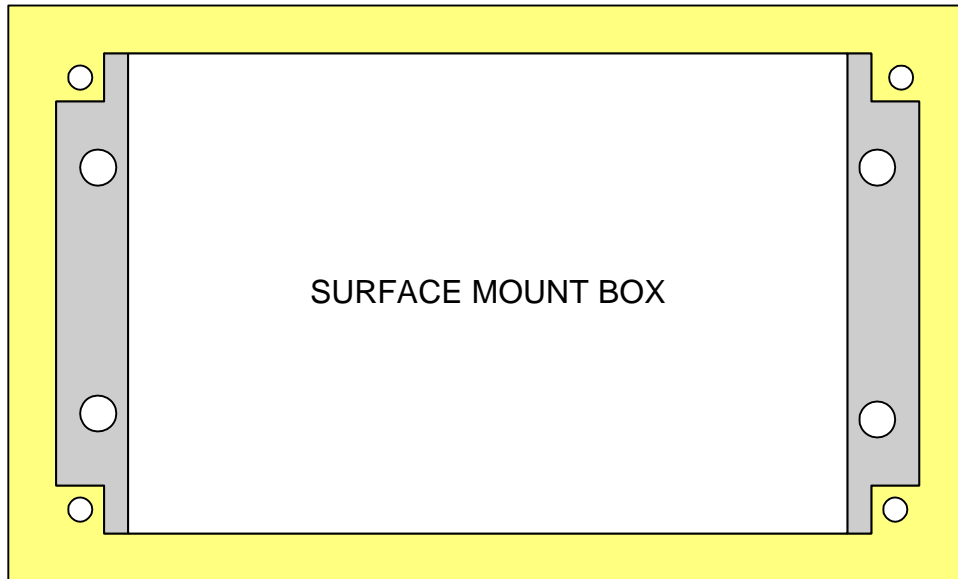


Figure 6-4 Surface Mount Box

The SMT Advantage 1000DE wandering resident locking system is designed to augment your policy regarding wandering residents. If used and tested properly the system should provide many years of trouble free operation. The standard system consists of the SMT Advantage 1000DE Exit Panel, the electromagnetic lock, and one or two Scepter® Antennas, part # 699, and a set of magnetic door contacts.

The standard mode of operation for the SMT Advantage 1000DE system allows free access of the door by staff members and visitors but quietly locks the door when a monitored wandering resident approaches the door. When the resident leaves the monitored area the door unlocks and access is again available for the staff and visitors. If a staff member is escorting a monitored resident out the door, the patient escort code can be entered to allow both staff member and resident to exit without creating an alarm. There are other features of the SMT Advantage 1000DE system that can be programmed by the authorized personnel, including PM function and perimeter alarm.

Primary Reset Code: This code is used to reset an alarm condition or escort a monitored resident through a door without creating an alarm condition in normal mode. In the **Advanced Security Mode**, the primary reset code will not allow access through a door. This code should not be given to family members or visitors. Only staff members should be allowed to reset an alarm condition or escort a resident out of the building without creating an alarm.

Secondary Reset Code: In the **Advanced Security Mode**, the secondary code is used to escort a resident through the door. This code is also used to enter the programming mode of the system. This code should only be given to authorized staff members.

Perimeter Monitoring Function: This allows you to program the panel to lock and unlock the door automatically at certain times of the day whether a monitored resident is near the monitored area or not. The panels can be program so that each day of the week can have its own lock and unlock time.

Loiter Alarm feature: The feature when activated will create an alarm condition whenever a monitored resident remains within the detection range of the system for a predetermined period.

Delayed Egress Selectable Timing: This feature allows the SMT Advantage 1000DE panels to be programmed for either 15 second release on delayed egress activation or 30 second release. Before changing to 30 seconds, you will need approval from authority having jurisdiction per NFPA 101 Life Safety Code.

Software Version Verification: This feature allows the user to determine which software version is installed in the SMT Advantage 1000DE.

Latching Delayed Egress: Enabling the latching delayed egress function of the panel allows the panel to be programmed to remain in an unlocked state whenever the delayed egress cycle has released the door and anyone has exited the facility through the door. A valid reset code entered by a staff member is required before the door is available to lock again.

Advanced Security Mode:

In Advanced Security Mode the Primary Reset Code (*234 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 in 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 affect on the Secondary Reset Codes (*567 or equivalent) operation.

SECTION 8 INSTALLATION AND CONNECTIONS

4 & 8 Channel Nurse Station Connections

Nurse Station Part number A02030901 and A02040901

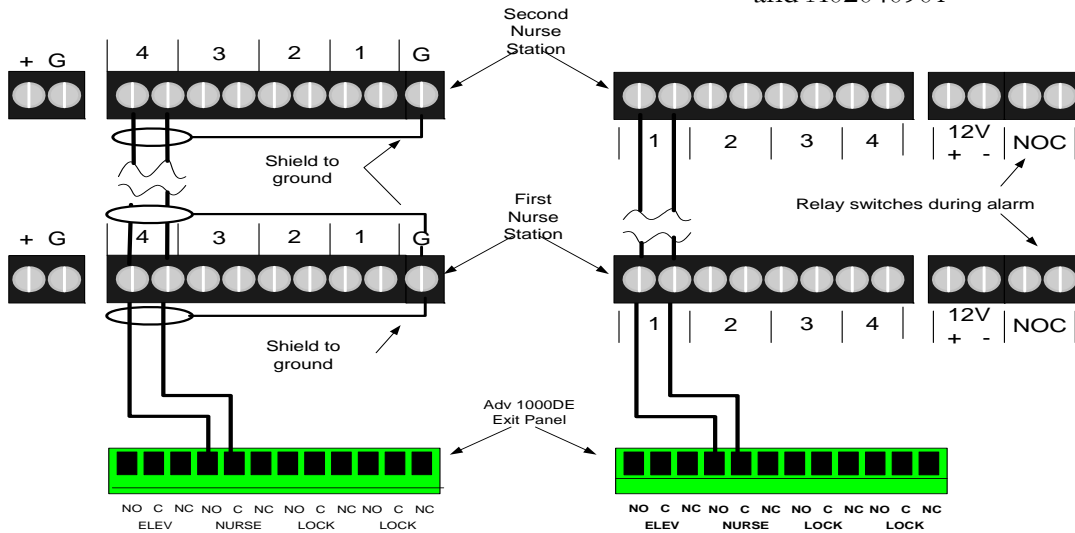


Figure 8-1 Single or Double Nurse Station Connections

203/204 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, Part # 203 or 204 are not compatible with LED Nurse Stations, 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.

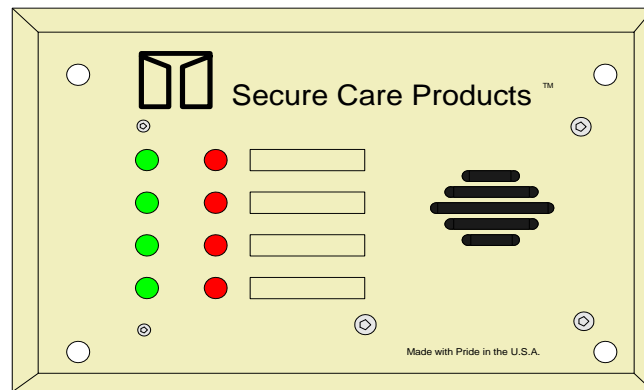


Figure 8-2 Nurse Station Front View

SECTION 8 INSTALLATION AND CONNECTIONS

Sounder Connections

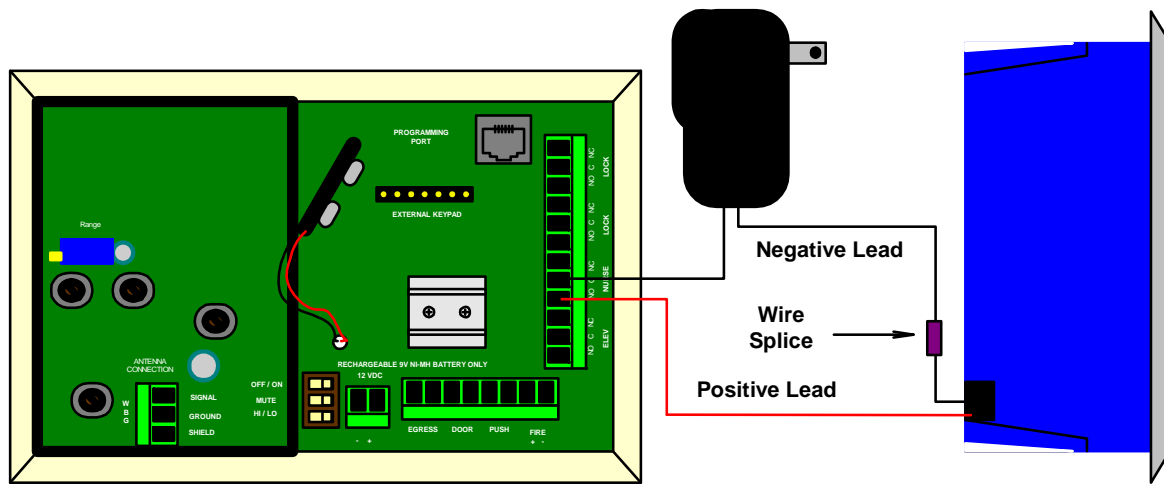


Figure 8-3 SMT Advantage 1000DE to Sounder Connections

Connect the negative lead of the DC Power Supply to the negative side of the Sounder. Connect the positive lead to one side of the nurse or elevator relay. Connect a jumper wire from the remaining side of the nurse or elevator relay to the positive side of the Sounder.

SECTION 8 INSTALLATION AND CONNECTIONS

Scepter Antenna Connections

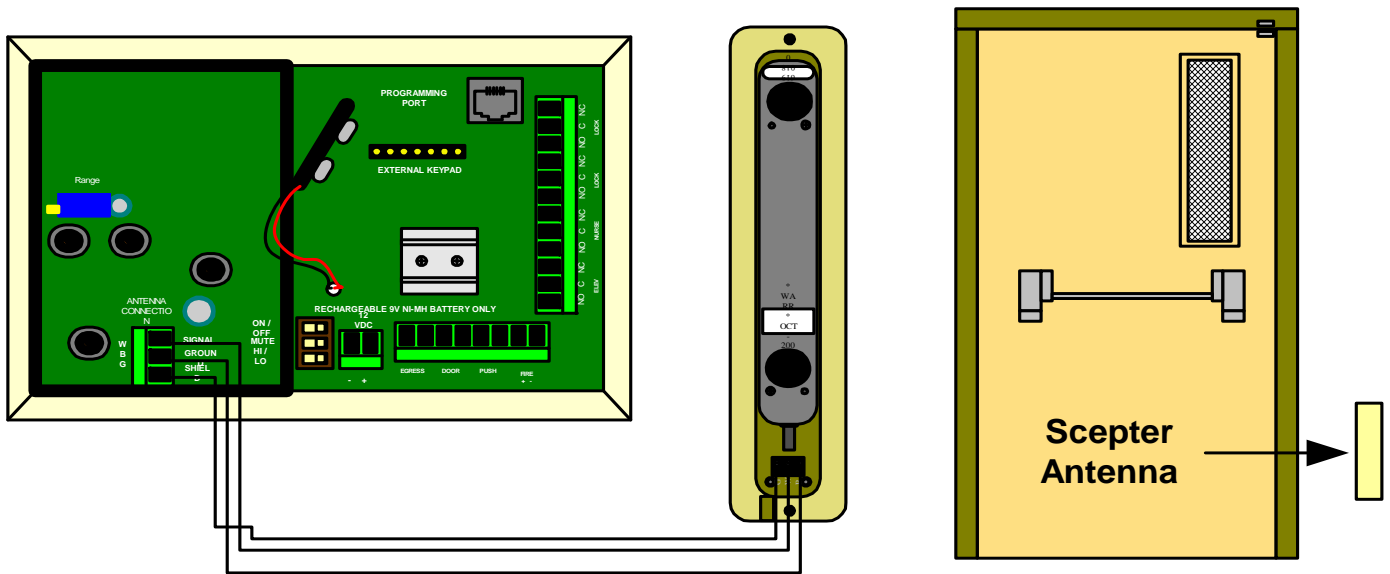


Figure 8-4 Single Antenna Connections

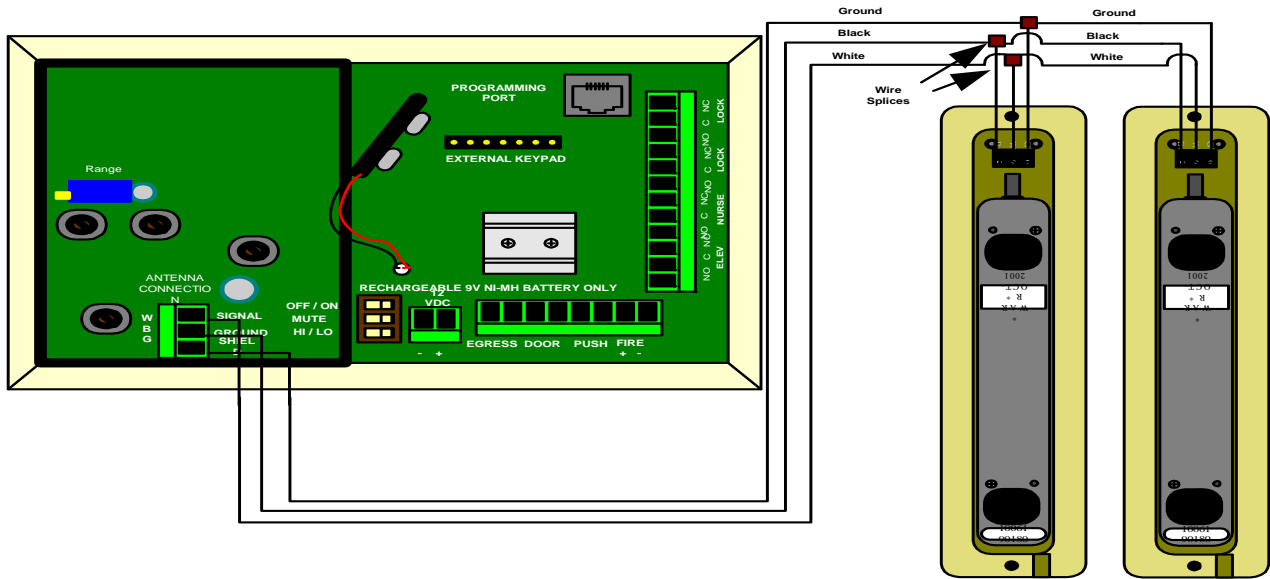
Connecting a single or double SCP Part #699 Scepter® Antenna: Use the SCP Part #B60000429 22Awg 1 pair wire provided with the SMT Advantage 1000DE kit. Connect the #699 Scepter® Antenna to the SMT Advantage 1000DE Exit Panel as shown in Fig.8-4 for a single antenna and Fig .8-5 for multiple antenna's. Connections are Signal to W, Ground to B, and Shield to G.

NOTE: A single #699 Scepter® Antenna should cover most door openings up to 60" (1.5 meters) in total width, from antenna position to the opposite side of the door.

NOTE: The Part #699 Scepter® Antenna must be mounted in a vertical fashion and must be located 4-6 inches from the floor. The Part#699 Scepter® Antenna should be mounted on the latch side of the door. The Part #699 Scepter® Antenna should not be mounted on metal (e.g. metal doorframe).

SECTION 8 INSTALLATION AND CONNECTIONS

Multiple Scepter Antenna Connections



NOTE: A pair of #699 Scepter Antennas should cover most door openings up to 120” (3.0 meters) in total width from antenna to antenna. . Connections are Signal to W, Ground to B, and Shield to G.

NOTE: The #699 Scepter Antenna must be mounted in a vertical fashion and should be mounted 4-6 inches from the floor and should not be mounted on metal (e.g. metal doorframe).

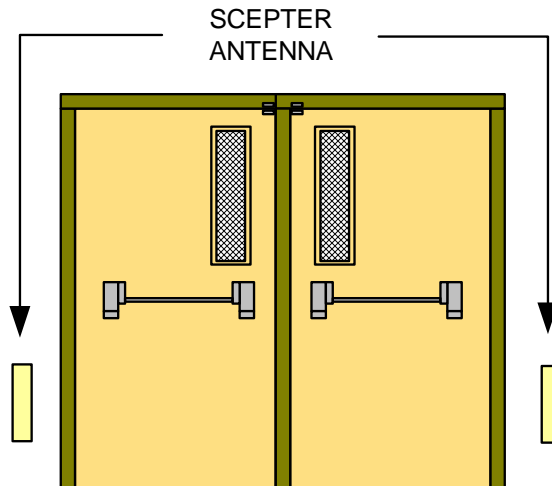


Figure 8-6 Scepter Antenna Location for Double Door

Adjusting Range on the SMT ADV 1000DE Exit Panel.

The range adjustment for the SMT ADV 1000DE Exit Panel is a blue potentiometer on the back of the panel. To increase the range turn the adjustment screw on the potentiometer counter clockwise and to decrease the range turn it clockwise. This potentiometer has approximately a 30 turn adjustment.

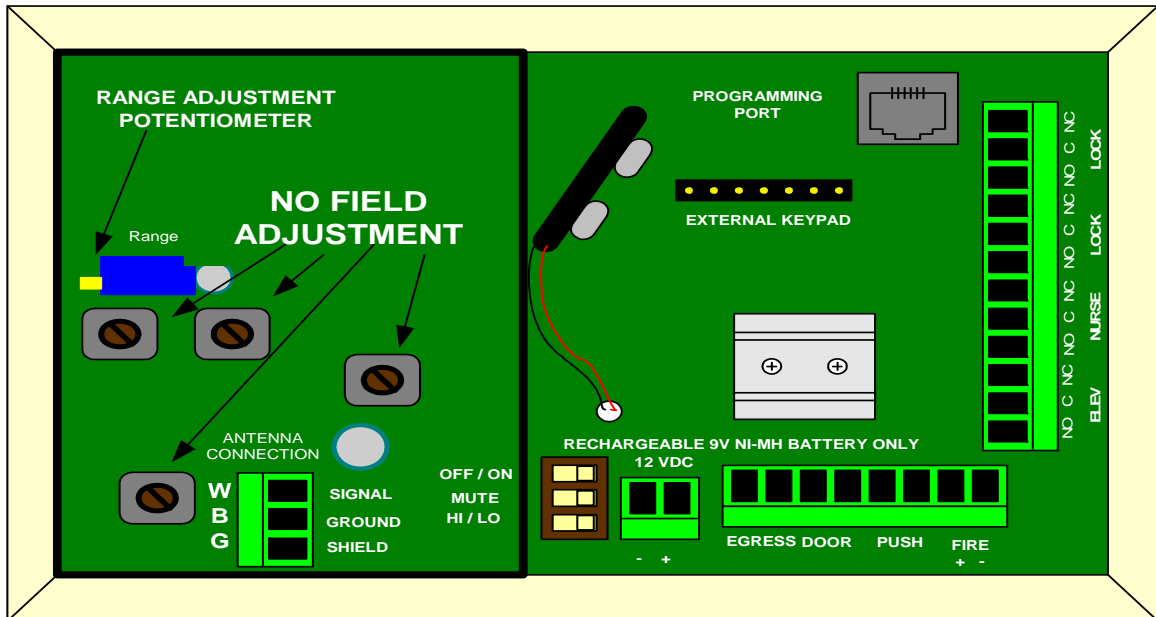


Figure 8-7 Range Adjustment Potentiometer

To determine antenna location dry run the cable and antenna before making any permanent holes to the walls and test to determine if this location will work for the environment.

Do not use a 707 Tester to test the range on the exit panel. Always use a transmitter when adjusting the range on ADV 1000DE Exit panel. Notice the transmitter is labeled as "This side up". Place the transmitter in your sock with the strap wrapped around your ankle and the arrow on the transmitter pointing up. Now approach the door slowly and watch the exit panel for the yellow flicker and then the red led. When the LED turns red the door is locked and this is the range of the panel. When testing the range make sure to approach the door at different angles with the transmitter at different heights to verify proper coverage. If more range is needed adjust the potentiometer counter clockwise and test again. If you adjust the potentiometer and you are not achieving the range needed or are experiencing some RF interference you may have to relocate the antenna or add another antenna to achieve the range required.

SECTION 8 INSTALLATION AND CONNECTIONS

Magnetic Door Contact Connections

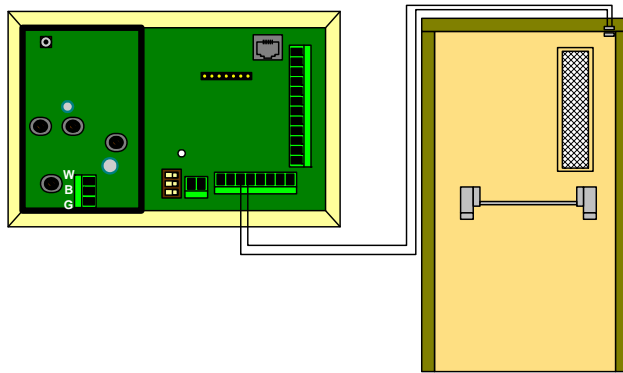


Figure 8-8 SMT Advantage 1000DE to Magnetic Door Contact Connections

Two Sets of Magnetic Door Contact Connections

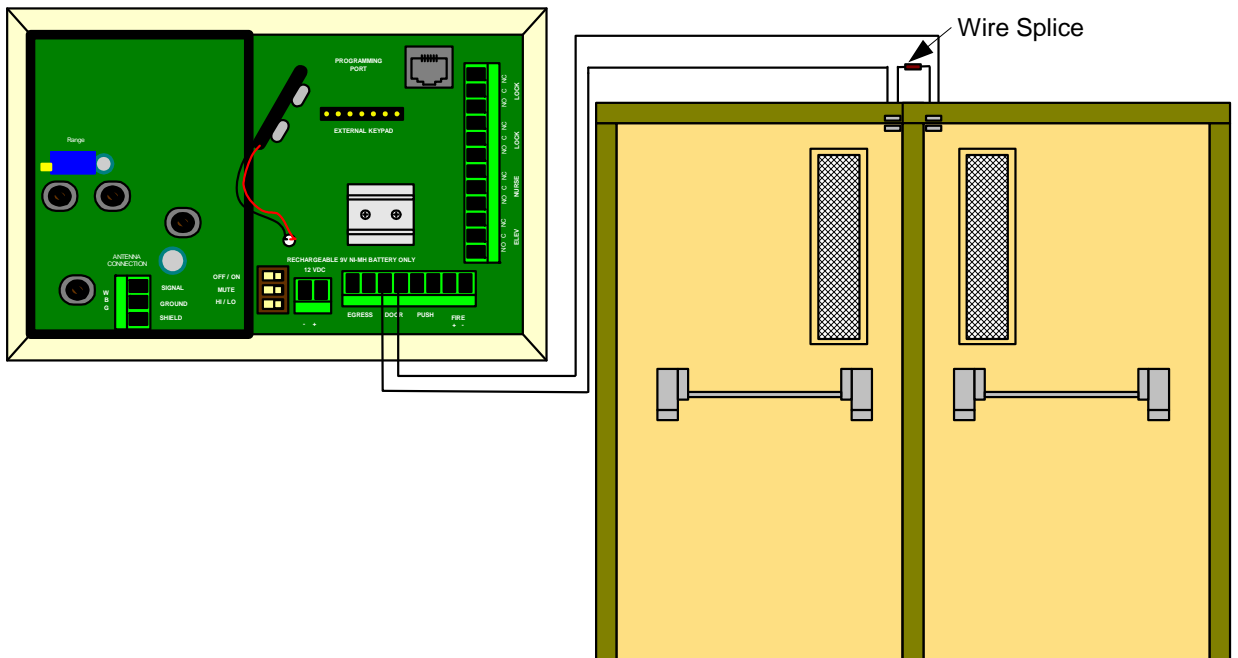


Figure 8-9 SMT Advantage 1000DE to two Magnetic Door Contacts Connections

NOTE: The magnetic door contacts are wired in series.

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

SECTION 8 INSTALLATION AND CONNECTIONS

Elevator Connections

When interfacing the SMT Advantage 1000DE system to an elevator system, the elevator service company must make all final connections. **All electrical and life safety codes must be strictly adhered to when making this connection. Consult with the elevator service company prior to installing the system.** Special interface relays may be required for connection to the elevator system. The maximum voltage that should pass through the elevator relay is a 35VAC/DC, and the maximum current that should be switched through the relay is 1A.

Cable type as specified by the elevator service company.

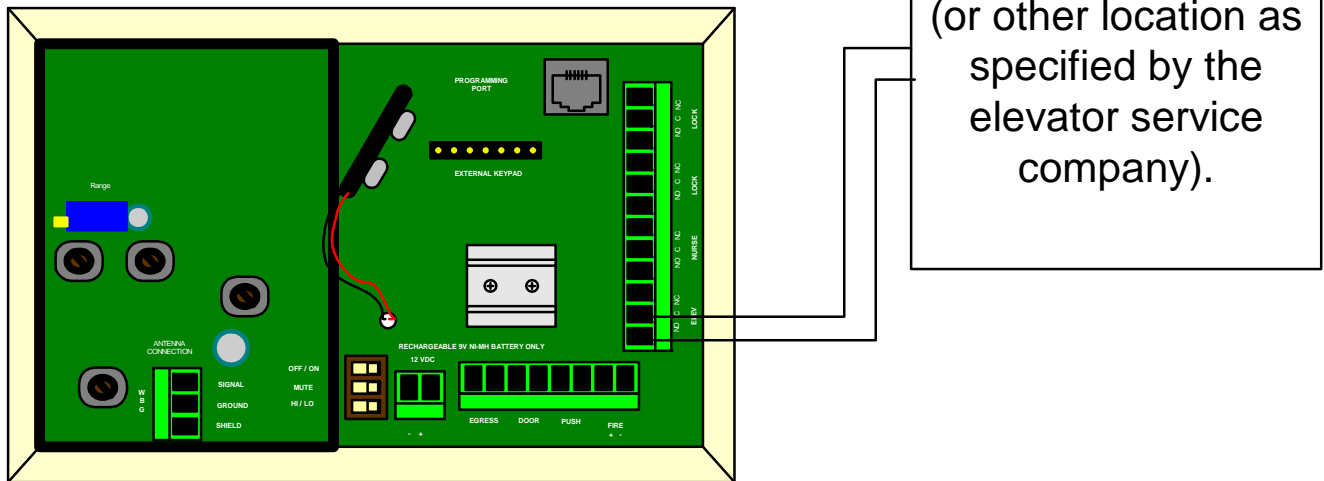


Figure 8-10 SMT Advantage 1000DE to Elevator Control Connections

Theory of operation: The elevator interface relay is in a normally open state. When the SMT Advantage 1000DE Exit Panel alarms, the elevator relay changes to a closed state. The elevator relay remains in the closed state until the SMT Advantage 1000DE Exit Panel is reset.

Remote Keypad Connections

When connecting the keypad, if the connector on the exit panel points away from the panel, then the ribbon cable must be connected to the keypad and the SMT Advantage 1000DE Exit Panel in the same orientation at both ends. In other words, the blue color stripe should be on the same side. If the connector is parallel to the faceplate then the orientation is opposite so that the blue stripe is on opposite sides.

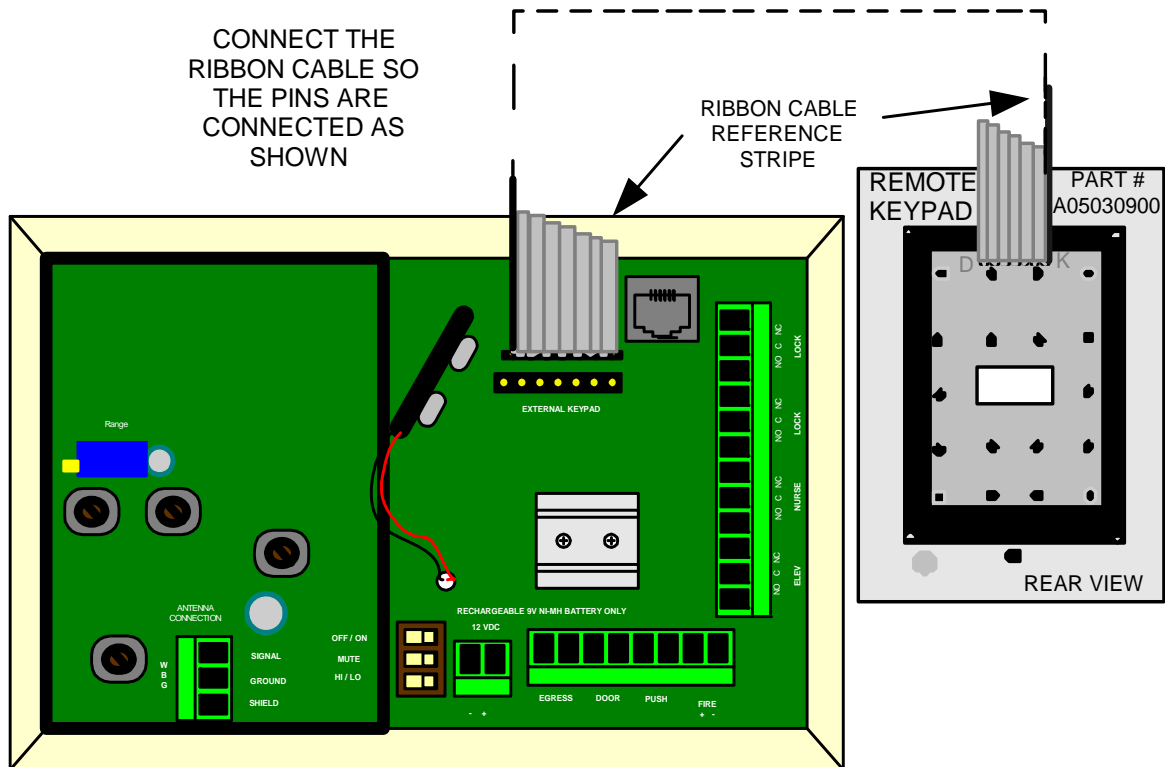


Figure 8-11 SMT Advantage 1000DE to Remote Keypad Connection

Ribbon Cables

- A05032031 = 2 Feet
- A05032032 = 10 Feet
- A05032033 = 15 Feet
- A05032034 = 30 Feet

SECTION 8 INSTALLATION AND CONNECTIONS

Electromagnetic Lock Connections

Connecting a single Electromagnetic lock to the SMT Advantage 1000DE Exit Panel: Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Figure 8-12 below for connection to the SMT Advantage 1000DE Exit Panel. Use SCP Part #B60000440 (22AWG, 3 pair) wire for connection.

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

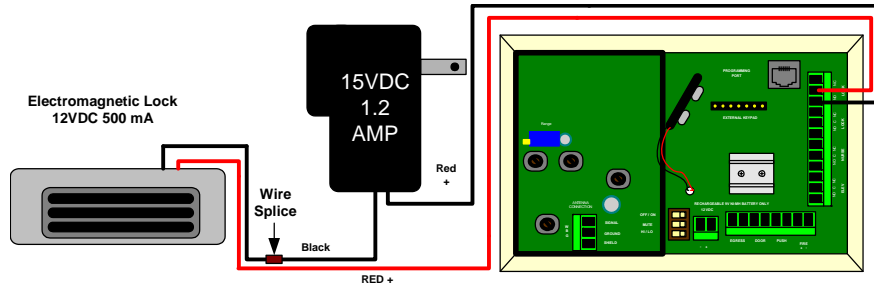


Figure 8-12 SMT Advantage 1000DE to Electromagnetic Lock Connections

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 SMT Advantage 1000DE system. Up to eight SMT Advantage 1000DE 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.)

Connecting multiple electromagnetic locks to the SMT Advantage 1000DE Exit Panel: Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Figure 8-13 for connection between multiple locks and the SMT Advantage 1000DE Exit Panel. Use SCP Part # B60000440 (22AWG, 3 pair) wire for connection.

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

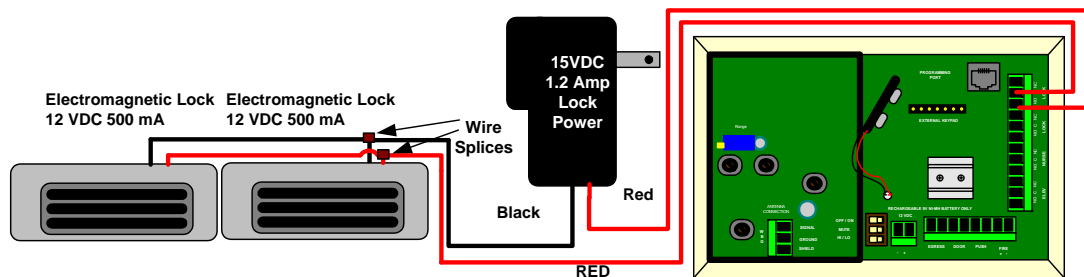


Figure 8-13 SMT Advantage 1000DE to Two Electromagnetic Locks Connections.

SECTION 8 INSTALLATION AND CONNECTIONS

SECTION 8 INSTALLATION AND CONNECTIONS

Delayed Egress Connections

Connecting single Delayed Egress switch to the SMT Advantage 1000DE Panel: Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Figure 8-14 for connection to the SMT Advantage 1000DE Exit Panel. Use SCP Part # B60000440 (22AWG, 3 pair) wire for connection. When using the Dortronic lock adjustment may need to be made to the thumb wheel on the lock armature for proper delayed egress operation.

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

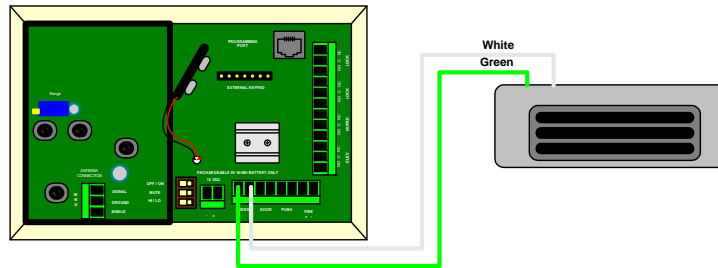


Figure 8-14 SMT Advantage 1000DE to a Single Delayed Egress Switch Connections.

Connecting multiple Delayed Egress switches to the SMT Advantage 1000DE Exit Panel: Refer to the manufacturer's instructions provided with the lock for proper mounting of the lock. Refer to Figure 8-15 for connections to the SMT Advantage 1000DE Exit Panel. Use SCP Part # B60000440 (22AWG, 3 pair) wire for connection. When using the Dortronic lock, an adjustment may need to be made to the thumb wheel on the lock armature for proper delayed egress operation.

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

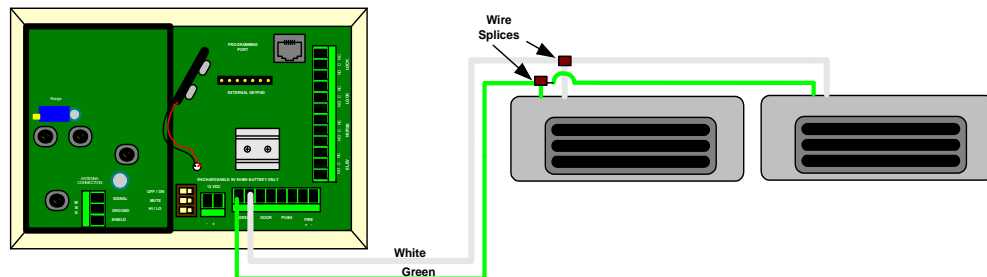


Figure 8-15 SMT Advantage 1000DE to Double Delayed Egress Switch Connections.

NOTE: Delayed egress switches are wired in parallel.

Push Button Connections

SECTION 8 INSTALLATION AND CONNECTIONS

SMT Advantage 1000DE Exit Panel connection to a momentary exit release device: When the exit release device is activated, the SMT Advantage 1000DE Exit Panel will begin the escort delay count-down. The escort delay time is variable and can be changed. (See the programming instructions provided in *Section 9* of this manual.)

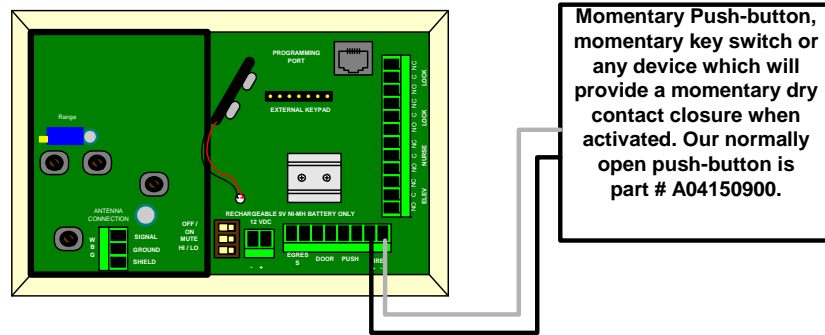


Figure 8-16 SMT Advantage 1000DE to a Momentary Push Button Connections.

NOTE: The use of exit release devices which provide a maintained contact closure are not recommended for use with the SMT Advantage 1000DE system.

Fire Alarm Connections

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 a fire alarm condition. After 10/20/97, the Nurse Station Panel does not alarm during a fire alarm condition.

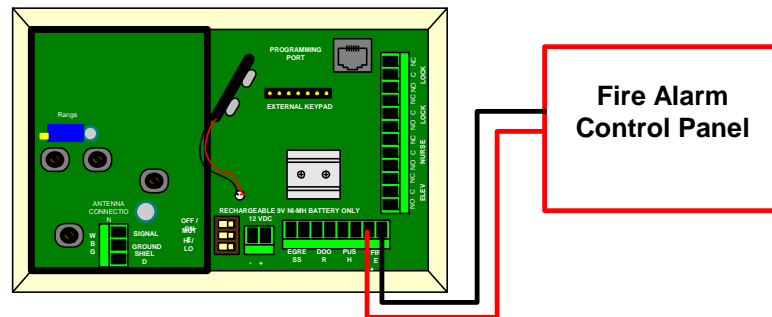


Figure 8-17 SMT Advantage 1000DE to Fire Alarm Control Panel.

Use SCP Part #B60000438 22Awg wire to connect the SMT Advantage 1000DE Exit Panel to the fire alarm panel. Up to eight SMT Advantage 1000DE 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.



CAUTION: 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 PROGRAMMING INSTRUCTIONS

Connecting multiple SMT Advantage 1000DE Exit Panels to the fire alarm control panel. After completing the fire alarm connection, the fire alarm system must be placed into an alarm condition to verify immediate release of all locks.

Use SCP Part # B60000438 22Awg wire for connection of the SMT Advantage 1000DE Exit Panel to the fire alarm control panel. Up to eight, SMT Advantage 1000DE 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.

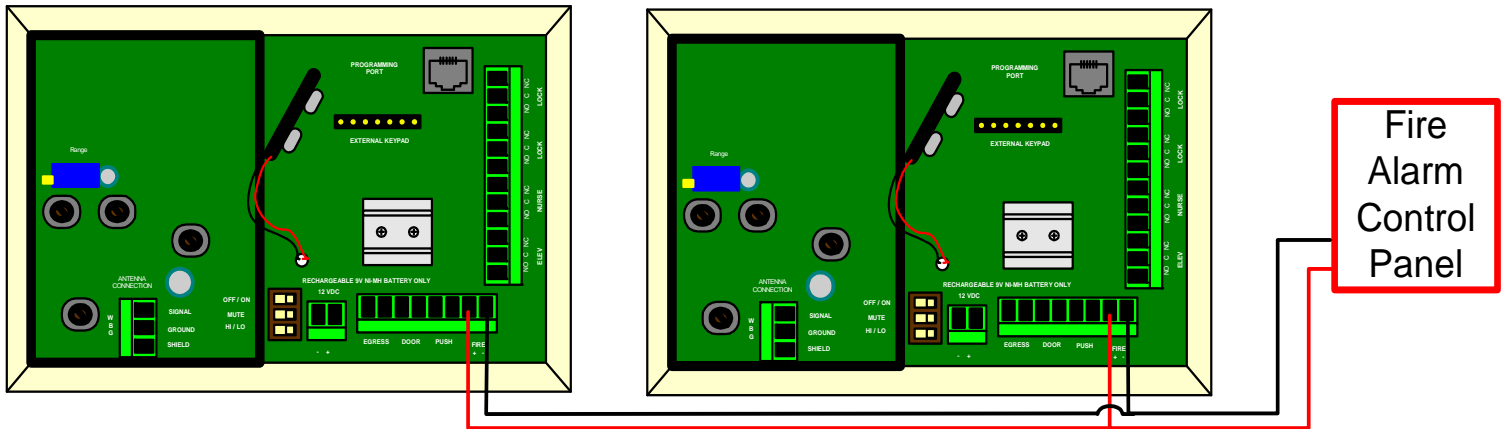


Figure 8-18 Multiple SMT Advantage 1000DE Panels to Fire Alarm Control Panel Connections.



CAUTION: 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.

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

NOTE: All Panels shipped from Secure Care Products®, Inc. after March 5, 2004 have a non-volatile memory, which means any programming of the panels will not be

lost after power loss. To initialize the panel enter *603*8675309999. Nine beeps should be heard and all programming returned to factory settings.

User Selectable Functions

Factory Default

Primary Reset Code: any 3 digits preceded by *

***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.)

Secondary Code: any 3 digits preceded by *

***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.)

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

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

Loiter Alarm Enable/Disable:

Disabled

To enable enter *567 (secondary code) *5 hold until four beeps are heard.
To disable enter *567 (secondary code) *5 hold until one beep is heard.

Loiter Time:

60 seconds

To change to 60 seconds enter *567 *60, one beep will be heard.
To change to 120 seconds enter *567* 12, two beeps will be heard.
To change to 180 seconds enter *567*18, three beeps will be heard.

Latching Delayed Egress: (Enabled or Disabled)

Disabled

To enable enter *567 *0 holding until 4 beeps are heard.
To disable enter *567 *0 holding until one beep is heard.

Advanced Security Mode: (Enabled or disabled)

Enabled

To enable Advanced Security Mode: enter *567 (secondary code) *9876543216 holding the 6 until two beeps are heard
To disable Advanced Security Mode: enter *567 (Secondary code) *9876543216 holding the 6 until one beep is heard.

Programming the PM Feature

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:

SECTION 9 PROGRAMMING INSTRUCTIONS

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.
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

SECTION 9 PROGRAMMING INSTRUCTIONS

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.

PM Program Enable/Disable:

Disabled

To enable PM Program enter *567 (secondary code) *7 hold until four beeps are heard.

To disable PM Program enter *567 (secondary code) *8 hold until one beep is heard.

User Selectable Functions

Factory Default

Egress Activation for Nuisance Silent

Disabled

Currently a beeping will sound for the first three seconds when there is pressure applied to the door. With the Nuisance Silent Feature Enabled, it will silence the three second nuisance sound and will activate the egress process.

To enable Nuisance Silent: enter *567*9876543212 holding the 2 for 2 beeps

To disable Nuisance Silent: enter *567*9876543213 holding the 3 for 4 beeps

NOTE: This feature is only available on the Base version and only after 6/30/2007

SECTION 9 PROGRAMMING INSTRUCTIONS

Delayed Egress Release Time

15 Seconds

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. 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. Enter currently programmed secondary code *567 * 30 holding for 2 beeps

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

1. Enter currently programmed secondary code *567 * 15 holding for 1 beep

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

Example: 3 blinks...pause...4 blinks...pause...10 blinks...pause...9 blinks, would be Software Version 3.4.0.9

No Code/ Irreversible Delayed Egress

Each SMT Advantage 1000DE 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

SECTION 10 TESTING THE PERIMETER ACCESS CONTROL

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 SMT Advantage 1000DE 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#**

Silent Fire Alarm

When this feature is enabled the alarm will not sound on the SMT Advantage 1000DE Exit Panel unless the door is opened during a fire alarm activation.

To **Enable** the Silent Fire Alarm

Enter ***567*9876543218** two confirmation beeps

To **Disable** the Silent Fire Alarm

Enter ***567*9876543218** one confirmation beep

Delayed Egress Activation Time

Each SMT Advantage 1000DE 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.

To change the activation time

- Enter ***567*9876543217** one confirmation beep = 1 second
- Enter ***567*9876543217** two confirmation beeps = 2 seconds
- Enter ***567*9876543217** three confirmation beeps = 3 seconds
- Enter ***567*9876543217** ten confirmation beeps = 0 seconds

RECOMMENDED WEEKLY TESTING

The SMT Advantage 1000DE Exit Panel should be on and the green LED should be on. Now, with a transmitter on your ankle, approach the door. When you enter the monitoring zone the green LED should turn red. Turn around and leave the monitoring zone. The red LED should turn green. Now follow the steps below to test the basic operating functions of the SMT Advantage 1000DE system.

Testing the Patient Escort and Anti-tailgate Features

Enter the detection zone with a transmitter on your ankle, the red LED should turn on the SMT Advantage 1000DE Exit Panel. Now enter the primary reset code into the keypad the red LED should turn green. Open the door without the alarm sounding. **(This is the Patient Escort Feature.)**

Now close the door, the green LED should turn red showing the panel to be rearmed. **(This is the anti-tailgate feature.)**

NOTE: If Advanced Security Mode is enabled, the lock will not unlock, the light will flash green once, and the panel will beep once.

Testing the Remote Keypad

If a Remote Keypad has been installed with the SMT Advantage 1000DE Exit Panel, repeat the instructions in *Testing the Patient Escort Feature* above, using the remote keypad to enter the primary escort code.

Testing the Remote Push Button

If a remote Push-button has been installed with the SMT Advantage 1000DE Exit Panel, repeat the instructions in *Testing the Patient Escort Feature* above, using the remote Push-button in place of the primary reset code.

Testing the Advanced Security Mode Feature

First enable the Advanced Security Mode per Section 8 of this manual, then bring a transmitter into the detection zone. The green LED should turn red, and the yellow LED should blink. Now enter the Primary Reset Code. The red LED should flash green momentarily and beep once indicating a valid code was entered while a monitored resident was nearby. Next, try to gain access via the push button, if one is installed on your system. With a transmitter in range, the panel should alarm if the door is opened. Only by entering the Secondary Reset Code (*567 or equivalent) will access be granted in this situation.

RECOMMENDED ANNUAL SERVICE

Battery Replacement

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

SECTION 11 TESTING THE DELAYED EGRESS MAGNETIC LOCKING SYSTEM

RECOMMENDED WEEKLY TESTING

Verify that all wiring connections are complete and wired as shown in the diagrams in this manual. The SMT Advantage 1000DE Exit Panel should be on and the green LED should be on. At this point, the door should be free for access to all staff and visitors. Now, with a transmitter on your ankle, approach the door. When you enter the monitoring zone the green LED should turn red and the door should quietly lock. Turn around and leave the monitoring zone. The red LED should turn green and the door should unlock. The door should again be free for access to all staff and visitors. Now follow the steps below to test the basic operating functions of the SMT Advantage 1000DE system.

Testing the Patient Escort and Anti-tailgate Features

Enter the detection zone with a transmitter on your ankle, the red LED should turn on the door should quietly lock. Now enter the primary reset code into the keypad the red LED should turn green, the door should unlock and you should be able to open the door without the alarm sounding. **(This is the Patient Escort feature)**

Now close the door, the green LED should turn red and the door should immediately relock. **(This is the anti-tailgate feature.)**

Testing the Delayed Egress Feature

With the door locked, apply pressure on the opening hardware of the door for three seconds. The SMT Advantage 1000DE Exit Panel should begin to alarm and the red LED should remain on. The LED should remain red and the audible alarm sound should be short beeps. After the 15 seconds, the audible alarm should become a continuous tone, the red LED should be on, and the door should release. Open the door, the LED should begin flashing red/green/red/green and the audible alarm sound should change to the seagull sound. Now close the door and enter the *primary reset code*. The panel should stop alarming, the door should relock and the red LED should be on (because the transmitter is still in the detection zone).

Testing the Remote Keypad

If a remote keypad has been installed with the SMT Advantage 1000DE Exit Panel, repeat the instructions in *Testing the Patient Escort* above, using the remote keypad to enter the primary escort code.

Testing the Remote Push Button

If a remote Push-button has been installed with the SMT Advantage 1000DE Exit Panel, repeat the instructions in *Testing the Patient Escort* above, using the remote Push-button. In place of the primary reset code, depress the remote push-button, the LED should turn green and you should be able to open the door without creating an alarm condition.

Testing the Advanced Security Mode Feature

First enable the Advanced Security Mode, and then bring a transmitter into the detection zone. The green LED should turn red, and the yellow LED should blink. Now enter the Primary Reset Code. The red LED should flash green momentarily and beep once indicating a valid code was entered while a monitored resident was nearby. Next, try to gain access via the push button, if one is installed on your system. With a transmitter in range, the door should remain locked and an audible beep should sound. Only by entering the Secondary Reset Code (*567 or equivalent) will access be granted in this situation.

SECTION 11 TESTING THE DELAYED EGRESS MAGNETIC LOCKING SYSTEM

RECOMMENDED MONTHLY TESTING

Fire Alarm Release Test

1. After all other functions of the SMT Advantage 1000DE system have been tested; the fire alarm release function must be tested and documented. This is a very important test, which will ensure proper operation of the system in case of a fire emergency and the safety of your residents and staff.
2. Place your facility's fire alarm system into an alarm condition and using a transmitter go to all monitored exits and verify that when the transmitter is in the monitoring zone that the door will not lock. If any of the exits are in the pm locked mode, verify that these exits unlock and remain unlocked.
3. Reset the fire alarm system. Verify that all exits are now operating normally.

SECTION 12 REPLACEMENT PARTS LIST

<u>Part #</u>	<u>Description</u>
699	430KHZ Scepter [®] Antenna
B15360501	9VDC (NI-MH rechargeable battery)
A41010901	Panel Plug-in Power Supply, 12 - 15VDC 1.2 Amp
1922	Normally Closed Door Contacts
203	Nurse Station Panel, 4 Channels, Power supply included
204	Nurse Station Panel, 8 Channels, Power supply included
A02030901	Nurse Station Panel, 4 Channels, Power supply not included
A02040901	Nurse Station Panel, 8 Channels, Power supply not Included
P41010904	Magnetic Solutions Lock
A41012900	Dortronics Electromagnetic Lock
A41010913	Dortronics Egress switch (rocker type)
A04150900	(Normally Open) Push Button
A10000907	SMT Advantage 1000DE Exit Panel
A05032031	2 Foot Ribbon Cables
A05032032	10 Foot Ribbon Cables
A05032033	15 Foot Ribbon Cables
A05032034	30 Foot Ribbon Cables
A02070900	Sounder
A41010901	Power Supply for Nurse Station Panels and Sounder

SECTION 13 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 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.

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

SECTION 14 COMPLIANCE STATEMENTS

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 NMB-003 du Canada.

Compliance Information Statement

Conforming Product Name :	SMT 500DE and 1000DE Exit Panels
Conforming Model or Part Number :	A05160910, A10000907, A10000908, A05160911.
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.

Douglas Richard
Name of Responsible Person

R & D Engineer
Company Title or Position

on file
Authorized Signature

08/02/12
Date

APPENDIX A 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	SMT Advantage 1000 DE and SMT 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

APPENDIX B CARD ACCESS INPUT MODE

The Card Access Input Mode is **ONLY** available for the SMT Advantage 1000DE with Secure Care Part Number A10000908 and SMT Advantage 500DE with Secure Care Part Number A05160911. Both will have a label that says **APM** on the front of the panel.

The Card Access Mode is used with Card Access Systems that want to integrate with the SMT Advantage 1000DE panels.

To install the Card Access with the exit panel, two conductors from the Card Readers **NORMALLY OPEN AND COMMON DRY CONTACT** outputs are wired into the two conductors on the ribbon cable closest to the programming port on the exit panel. The ribbon cable is shipped in a two foot length with seven pin connectors on both ends. Cut the ribbon cable to the desired length stripping two of the end conductors back. The ribbon cable then needs to be placed on the seven pins on the exit panel with the two conductors being used closest to the programming port on the exit panel.



WARNING: USE ONLY THE TWO CONDUCTORS SPECIFIED ON THE SEVEN PIN RIBBON CABLE AND NOT ANY OF THE OTHER CONDUCTORS OR DAMAGE TO THE PANEL MAY OCCUR.

NO VOLTAGE IS TO BE APPLIED TO THE TWO PINS USED FOR THE CARD ACCESS INPUT MODE.

WHEN USING THE CARD ACCESS INPUT ON THE SMT ADVANTAGE 1000DE, THE ADVANCE SECURITY MODE CAN NOT BE DISABLED WITH THIS INPUT MODE ONLY.

Using the Card Access with the SMT Advantage 1000DE panels

With the Card Access System connected to the SMT Advantage 1000DE you can unlock the door by swiping your access card once if a resident is present the door will remained locked. If there is an alarm at the SMT Advantage 1000DE then you can clear the alarm by swiping once with your access card. When you need to unlock a door and there is an alarm at the door then you need to swipe twice, once to clear the alarm and once to unlock the door.

