



Model 4821 Integrated Access Control and Security



The Model 4821 integrates powerful security features with flexible access control.

Silent Knight's new integrated access control security system combines access control with the benefits of maximum security.

Save time, money and worry by controlling security for all entry points with just one system. Control access to a building, or if necessary, set up restricted access zones within a building. And Model 4821's flexible programming ensures fast, easy updating of your system.

One simple installation can also be configured to provide multiple, independent security systems. Businesses with multiple departments can even tailor a 4821 System to address individual area security needs.

Reliable, flexible and extremely easy to use, Silent Knight's integrated access control security system represents a higher standard in commercial security systems. For complete information on Model 4821, please call 1-800-446-6444 or in Minnesota, call (612) 493-6435.

Model 4821 Integrated Access Control and Security

The Model 4821 system is a powerful package that integrates what are usually several separate systems into one easily installed, maintained and managed facility system. Security features include a comprehensive commercial security system utilizing an industry-standard communications protocol for easy integration with many existing systems, hardware and wiring. It provides a dual, high-speed communications bus (S-Bus) that allows for remote access of touchpads, expanders and other system accessories like printers. Partitioning with multiple areas available in each partition allows for maximum system flexibility with a common base of accessory products. Future integration is easily achieved with systems such as CCTV, HVAC and building automation.

Model 4821 also seamlessly integrates access control features. In addition, an available Access Control Administration Software (ACAS) package allows for complete system management with on-site or off-site administration.

Access Control Features

- Up to 24 door access points.
- Access control by code, card, or card and code.
- 1,800 users and/or cards.
- Time window programming for restricted use.
- Holiday, closed and unplanned closing programming.
- 50 time schedules with 20 ranges per schedule.
- Auto lock/unlock.
- Manual lock/unlock.
- Local and global anti-passback.
- 500 event memory.
- Access Control Administration Software (ACAS) available.
- On-site or remote connection of ACAS.
- Remote control of system.
- 19.2 Kbps communications using external modem.

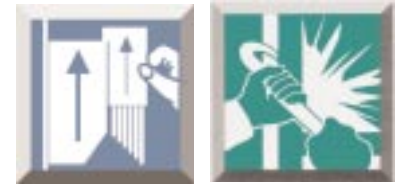


Model 4821
Commercial Security Control
with Integrated Access Control



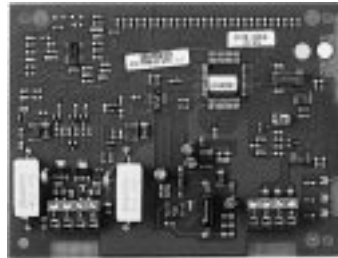
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Model 4821 Integrated Access Control and Security Accessories



Security System Features

- 16 programmable zones, expandable to 400.
- Two types of zone expansion, hardware or multiplex point.
- Zone expanders may be remotely located from control.
- Up to 6 zone expanders may be used per system.
- 1,800 users, codes and cards.
- 8 true partitions, with up to 8 areas per partition.
- High speed 4-wire supervised serial bus for connection of touchpads, zone expanders, and other accessories.
- Highly efficient switching type 2.5 amp power supply.
- Up to 24 touchpads or readers total may be used per system.
- Non-volatile flash memory.
- 500 event memory.
- Four unique sounding patterns.
- 64 separate exit delays, one for each area. Entry delay by zone.
- Two separately controllable interiors per area.
- Code 2 feature (temporary code).
- Duress feature.
- Time window programming for restricted use.
- Automatic daylight savings adjustment.
- Service reminder.
- Programmable I/O for use with output modules.
- Output modules provide up to 60 voltage/relay outputs.
- Built-in line fault monitor.
- Program on-site or remotely over telephone line.
- Reports in SIA and Contact ID formats.



4815 Smart Sensor Controller Zone Expander

Connects to the S-Bus on the 4821 control and allows expansion of the 4821 up to 400 zones. The 4815 can be mounted in the snap track in the 4821 cabinet or remotely mounted in a plastic utility enclosure. Each 4815 has two serial loops, each capable of supporting up to 64 SmartSensor devices for a total of 128 points. Up to three 4815 controllers may be used with the 4821. SmartSensors point ID modules allow connection to, and point identification of, most security devices. SmartSensors can also monitor non-security contact type devices as well. SmartSensor addresses are programmed on-site through a system touchpad. Point characteristics are defined by program options set in the 4821. The two serial loops are electronically protected against shorting and if one loop is shorted, the other continues to operate normally. Removing the short restores loop functioning automatically.

- Dimensions:
 - 048150 4.0" H x 5.25" W (board only)
 - 4815 6.0" W x 7.875" H x 1.5" D (plastic enclosure)
- Shipping Weight:
 - 8 oz.
- Power requirements:
 - 11 to 14VDC at 80mA (provided by 4821)
- Loop wiring distance:
 - 3,000 feet using 22 gauge wire
 - 5,000 feet using 18 gauge wire

Listings & Approvals:

- UL Residential Household Burglary and Fire (UL985, UL1023) NFFA 72, Chapter 2
- UL Commercial Grade A Local Mercantile, Grade B & C Central Station Reporting (UL365, UL609, UL1610, UL1635)
- California State Fire Marshal Residential Fire (7167-559:124)

4111P SmartSensor Devices

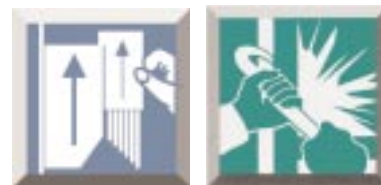
Connect to serial loops on the 4815 SmartSensor controller module. Up to 64 devices may be connected on each loop for a total of 128 points per 4815. SmartSensor point ID modules are addressed on-site using a system touchpad. SmartSensors are available as a stand alone device for connection to any contact type sensor.

4824 Serial/Parallel Module

Connects to the S-Bus on the 4821 control and provides both an RS-232 serial port and a Centronics parallel port. Up to eight 4824 modules may be connected to a 4821 system allowing for separate printers in each partition. The 4824 may be located anywhere along the S-Bus which allows printers to be conveniently located. Reports may be filtered to print only the data required for a particular partition. Printed information may also be filtered by event type as required. The 4824 allows connection of a portable computer, on-site, for programming the system. Connecting an external modem and phone line to the 4824 allows remote up/downloading to take place at up to 19,200 bps.

- Dimensions:
 - 6.0" W x 7.875" H x 1.5" D (plastic enclosure)
- Shipping weight:
 - 3 lbs.
- Power requirements:
 - 11 to 14VDC at 20mA (supplied by 4821)
- Accessories:
 - Parallel printer (not supplied by Silent Knight), external modem (not supplied by Silent Knight).

Model 4821 Integrated Access Control and Security Accessories



4825 Hardwire Zone Expander

Connects to the S-Bus on the 4821 and provides an additional 64 traditional zone inputs to the system. Since the system can support up to 400 zones, as many as six 4825 expanders may be connected to the system. The 4825 may be located near the 4821 control or remotely mounted anywhere along the S-Bus. The 64 expansion zones are programmable, as are the built-in 16 zones on the 4821. Large, easy to wire terminals are provided. Terminal strips are removable for easy service without disturbing field wiring. The 4825 is housed in a locked steel cabinet and includes eight EOL resistors.

Dimensions:

16.125" H x 12.25" W x 3.0" D

Color:

Gray

Shipping weight:

8 lbs.

Power:

11 to 14VDC at 80mA
(supplied by 4821)

Accessories:

7628B EOL resistors (eight per kit)

4880 Status Display Module

Connects to S-Bus on the 4821. Up to three may be used per system. The 4880 provides 16 low voltage outputs plus four Form C relay outputs. Connecting three status display modules to a system would provide 60 programmable outputs.

Dimensions:

6.0" W x 7.875" H x 1.5" D
(plastic enclosure)

Shipping weight:

3 lbs.

Power requirements:

11 to 14VDC at 25mA standby,
140mA active (supplied by 4821)

4195 Auxiliary Power Supply

2.5 amp auxiliary power supply and battery charger. Fuseless design. Mounts in snap track in 4821 cabinet and connects to 4821 battery leads. 4821 provides supervision for both batteries. Includes 18 volt 50 VA transformer.

Dimensions:

4.75" W x 4.0" H x 2.0" H

Shipping weight:

2 lbs.

Power:

18 volts AC 50 VA 50-60 Hz.

Accessories:

6712 12 volt 7 AH rechargeable
battery

Model 4821 Integrated Access Control and Security Accessories



4421 Door Access Module

Connects to S-Bus on the 4821. One 4421 module required per card reader. Two inputs on the 4421 may be programmed as hardwire zone inputs. Two Form C output relays may be activated by using programmable I/O scripts.

Dimensions (plastic enclosure):

6.0" W x 7.875" H x 1.5" D

Color:

Gray

Shipping weight:

1 lb.

Power:

11 to 14VDC at 25mA
(supplied by 4821)

4860C Commercial LCD Touchpad

Connects to S-Bus on the 4821. Up to 24 may be used per system. Provides one door access output per touchpad. Allows all system functions to be performed. Large, backlit buttons and LCD. User adjustable LCD contrast. Less frequently used buttons are enclosed behind decorator door. Two programmable inputs can be programmed as zone inputs, and an output relay can be controlled using programmable I/O scripts.

Dimensions:

7.125" W x 4.375" H x 1.125" D

Color:

Two-tone gray

Shipping weight:

12 oz.

Power:

11 to 14VDC at 50mA standby,
90 mA active (supplied by 4821).

4875 Dual Phone Line Module

Plugs into main 4821 control to provide connection to a second telephone line. It enables ring detection and line monitor functions for the second line. The 4875 Smart Line feature allows the 4875 to choose the unused line if one phone line is in use. If the system must report and the phone line(s) are in use, a tone is placed on the line so the user will know the system is about to go into a line seizure mode. If the 4821 built-in phone line monitor is in use, it will supervise both phone lines.

Dimensions:

2.175" W x 2.375" H

Shipping weight:

6 oz.

Power:

11 to 14VDC at 20mA
(active only)

