



## IntelliKnight® Model 5700 Single Loop Addressable Fire Alarm Control System



The affordable addressable fire alarm control panel solution.

IntelliKnight Model 5700 is a 50 point class leading single loop addressable fire alarm control/communicator system. 5700 provides you with the revolutionary value and performance of addressable sensing technology combined with exclusive, built-in digital communication, distributed intelligent power, that includes an easy to use interface. Powerful features such as drift compensation and maintenance alert are delivered in this powerful FACP from Silent Knight.

For more information about the IntelliKnight system, or to locate your nearest source, please call 1-800-446-6444, or in Minnesota, call 763-493-6435.

### Description

5700 performs drift compensation and calibration checks on each of the sensors in the system.

The basic IntelliKnight 5700 system can be enhanced by adding modules such as 5860 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), and 5496 intelligent power module. 5700 also features a powerful built-in dual line fire communicator that allows for reporting of all system activity to a remote monitoring location.

### Features

- Up to 50 addressable points
- Up to 125 zones and 125 output groups
- Uses standard wire—no shielded or twisted pair required
- Built-in digital communicator.
- Central station reporting by point or by zone
- Supports Class B (Style 4) and Class A (Style 6 or 7) configuration for SLC
- Distributed, intelligent power
- Drift compensation
- 13 pre-programmed output cadences (including ANSI-3.41) and 4 programmable outputs
- Notification circuits configurable as 1 Class A (Style Z) or 2 Class B (Style Y), or auxiliary power for resettable, constant, or door holder power
- Built-in synchronization for AMSECO, Gentex®, Faraday, System Sensor® and Wheelock® appliances
- Built-in annunciator with 80-character LCD display

- RS-485 bus provides communication to system accessories
- Upload or download programming, event history, or detector status onsite or from a remote location using a PC and 5660 Silent Knight Software Suite (SKSS)
- Improvements in SKSS deliver five times faster upload/downloads
- Built-in RS-232 interface for programming via PC
- Built-in Form C trouble relay rated at 2.5A at 27.4 VDC
- Two built-in Form C programmable relays rated at 2.5A at 27.4 VDC
- Programmable date setting for Daylight Saving Time

### Electrical Specifications

Primary AC: 120 VAC, 60 Hz, 1.5A  
 Total Accessory Load: 2.5A @ 27.4 VDC  
 Notification Power: 2.5A @ 27.4 VDC, power-limited  
 Standby Current: 200 mA  
 Alarm Current: 325 mA  
 Notification/Aux Power Circuits: 2.5A @ 27.4 VDC per circuit, power-limited  
 Battery Charging Capacity: 7.0-35.0 AH  
 Battery Size: 7 AH max. allowed in FACP cabinet. Larger capacity batteries can be housed in an RBB accessory cabinet.

### Mechanical Specifications

Dimensions:  
 12.75" W x 15.2" H x 3.4" D  
 (32.39 W x 38.42 H x 8.57 D cm)  
 Weight: 11.5 lbs. (5.2 kg)  
 Color: Red



**Model 5700**

Telephone Requirements:

FCC Part 15 and Part 68 approved  
 Type of Jack: RJ31X (two required)

### Approvals

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service. Suitable for automatic, manual, waterflow, sprinkler supervisory (DACT non-coded) signalling services.

Other Approvals: UL Listed;  
 CSFM 7170-0559: 144;  
 MEA 429-92-E Vol. XVI.



**SLC Detectors**

**SD505-APS**

Addressable photoelectric smoke detector.

**SD505-AIS**

Addressable ionization smoke detector.

**SD505-AHS**

Absolute temperature heat detector that goes into alarm immediately if the temperature exceeds the programmable trip point. Trip point range from 135°F–150°F (0°C–37°C).

**SD505-6AB**

Six inch base for use with detector heads SD505-APS, SD505-AIS and SD505-AHS.

**SD505-4AB**

Four inch base for use with detector heads SD505-APS, SD505-AIS, and SD505-AHS.

**SD505-6SB**

Six-inch sounder base for use with existing sensor and base. Operates in single and multi-station modes and/or as a system sounder. Requires 2 additional wires for power.

**SD505-6IB**

Short circuit isolator base for SD505-AHS, SD505-APS, and SD505-AIS detectors.

**SD505-6RB**

Six-inch relay base for use with existing sensor and base. Provides one Form C contact.

**SD505-ADH**

Duct housing that detects smoke in HVAC ducts.

**SD505-ADHR**

Duct detector base with relay. Provides Form C alarm contact. For use with SD505-APS and SD505-AIS sensors. Compatible with SD505-DTS remote test switch.

**SD500-PS/SD500-PSDA**

SD500-PS is a single action pull station and SD500-PSDA is a dual action pull station.

**SLC Modules**

**Model SD500-AIM**

Dry contact input module for use with normally open dry contacts. It features an indicator LED to show alarm status.

**SD500-MIM**

Mini dry contact input module is a small version of the SD500-AIM. For use with pull stations and other normally open dry contact inputs.

**SD500-ANM**

Addressable notification module providing a single Class A or Class B notification circuit on the SLC.

**SD500-ARM**

Addressable relay module that features two Form C output relays. Provides indicator LED to show output status.

**SD500-SDM**

Two-wire detector input module. Allows for the connection of conventional 2-wire detectors on the SLC loop. Requires two additional wires for power.

**SD500-LIM**

A short circuit isolator module for SLC devices. When a short occurs on the SLC loop, it is detected as a trouble, but all SLC devices protected by the isolator module continue to operate.

**SD500-LED**

An LED driver capable of driving 80 LEDs through the SLC loop. Up to 40 SD500-LEDs can be used per system.

**S-BUS Accessories**

**5860/R Remote Fire Annunciator**

Features the same 80 character backlit LCD display keypad and firefighter's key switch as the 5700. The system can be fully programmed and operated from any 5860. 5860 is gray and 5860R is red.

**5496 Intelligent Power Module**

A 6 amp notification power expander that provides four additional power-limited notification appliance circuit outputs.

**5880 LED/IO Module**

Features 40 LED outputs, 8 normally open dry contact inputs and one piezo output.



**5865-3 and 5865-4 Remote LED Annunciator**

Features 30 Programmable LED (15 red and 15 yellow) outputs and a piezo sounder. The 5865-4 adds a silence and reset switch to the package.

**5883 Relay Board**

Features 10 general purpose Form C relays. Used with 5880 module.

**5824 Serial/Parallel Printer Interface Module**

Provides one parallel and one RS-232 serial port for connecting a printer to 5808. Use to print a real-time log of system events, detector status reports, and event history. Interfaces with building control system.

**Miscellaneous Accessories**

**5660 Silent Knight Software Suite**

User-friendly Windows software for remote programming of 5700s using a PC. Upload and view panel account information, event history, and detector status.

**5670 Silent Knight Software Suite**

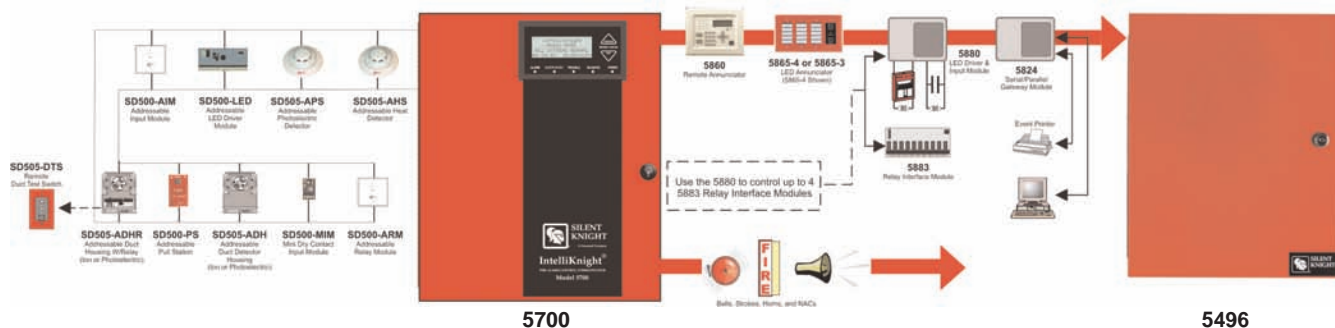
End-user facility management software allows viewing of detector status and event history via modem or direct connection.

**RBB**

Remote Battery Box Accessory Cabinet. Use if backup batteries are too large to fit into FACP cabinet. Dimensions: 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)

**SD505-DTS**

Remote test switch that provides remote key operated test function and annunciation of detector alarm with SD505-ADHR.



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 7550 Meridian Circle Suite 100, Maple Grove, Mn 55369-4927. Phone: (800) 328-0103, Fax: (763) 493-6475.

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