Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/20/18

SILENT KNIGHT®
by Honeywell

IntelliKnight® Model 5 Single Loop Addressa Fire Alarm Control System

The affordable addressable fire alarm control panel solution.

IntelliKnight Model 5700 is a 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 1-800-328-0103.

Description

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 supports SD or SK devices. 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

- Built-in support for up to 50 SK detectors *and* 50 SK modules creating a total point capacity of 100 points
- Built in support for up to 50 SD devices
- 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
- 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)
- Two built-in Form C programmable relays rated at 2.5A at 27.4 VDC

Model 5700

- 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
- Programmable date setting for Daylight Saving Time

Compatibility

The 5700 signal line circuit (SLC) supports multiple device types of the *same* protocol:

- SK
- SD

You cannot mix SD and SK SLC devices on a FACP.

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Model 5700
Fire Alarm Control Panel

Specifications

Electrical

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: 365 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.

Physical

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

Telephone Requirements:

FCC Part 15 and Part 68 approved

Type of Jack: RJ31X (two required)

Listings

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; OSHPD (CA) OSP-0065-10

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

SK-SCK

Seismic Compliance Kit.

SD505-DTS-K

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

SP-TR

Small panel trim ring. Use to flush mount the panel. 16.975" H x 14.630" W.

SD and SK Devices

See the data sheets listed below for a complete listing of the SD and SK devices.

53624 SD Devices data sheet

53623 SK Devices data sheet

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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 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444.
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