IntelliKnight® Model 5808 Single Loop Addressable Fire Alarm Control System

The convenience of an addressable fire alarm control panel in a cost effective easy to use package.

IntelliKnight Model 5808 is a 127 point class leading single loop addressable fire alarm control/communicator system that provides you with the revolutionary value and performance of addressable sensing technology combined with exclusive, built-in digital communication, distributed intelligent power, 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

The IntelliKnight 5808 performs drift compensation and calibration checks on each of the sensors in the system. The basic IntelliKnight 5808 system can be enhanced by adding modules such as the Model 5860 Remote Annunciator, the Model 5824 Serial/Parallel Interface (for printing system reports), and an Intelligent Power Module. The Model 5808 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 127 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 can be configured as 2 Class A (Style Z) or 4 Class B (Style Y), or auxiliary power for resettable, constant, or door holder power.
- Built-in annunciator with 80-character LCD display.
- RS-485 bus provides communication to system accessories.

- Up or Down load programming, event history, or detector status via remote or direct connection.
- Built-in RS-232 interface for programming via PC.
- Built-in Form C trouble relay rated at 2.5 amps at 24 VDC.
- Two built-in Form C programmable relays rated at 2.5 amps at 24 VDC.

Approvals:

UL Listed / NFPA 72

    -Central Station
    -DACT
    -Local Protective
     Signalling System
    -Water Deluge
     Releasing Service

CSFM Listed   7165-0559: 135

Specifications

Primary AC: 120 VRMS at 50 / 60 hz, 2.75A

Total Accessory Load: 6A at 24 VDC

6 amps at 24 VDC of power-limited notification power

Standby Current: 206 mA

Alarm Current: 356 mA

Notification circuits: 3 amps of power-limited power per circuit at 24 VDC.

Auxiliary power circuits: 3 amps of power-limited power per circuit at 24 VDC.

Mechanical Specifications:

Flush Mount Dimensions:

    14.5"W x 24.75"H x 3.5"D
    (36.8W x 62.9H x 8.73D cm)

Model 5808

Overall Dimensions:

    16"W x 26.4"H x 4.65"D
    (40.6 x 67 x 11.8 cm)

Weight: 28 lbs. (12.8 kg)

Color: Red

Telephone Requirements:

FCC Part 15 and Part 68 approved

Type of Jack: RJ31X (two required)

SILENT KNIGHT ®

SLC Sensor Devices

Model SD505-APS

Addressable photoelectric smoke detector.

Model SD505-AIS

Addressable ionization smoke detector.

Model SD505-AHS

Addressable heat sensor.

Model SD505-6AB

Six inch base designed for use with detector head models SD505-APS, SD505-AIS and SD505-AHS.

SD505-6IB

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

Model SD505-ADH

Duct Housing. Detects smoke in HVAC ducts. Use with SD505-APS or SD505-AIS.

SD505-ADHR/DTS

Addressable Duct smoke detector with built-in relay module detects products of combustion present in air moving through an HVAC system. Provides form C alarm contact. The SD505-ADHR is compatible with the SD505-DTS, which provides remote annunciation and testing capabilities for the SD505-ADHR. Use with SD505-APS or SD505-AIS.

Model SD500-PS

Addressable Pull Station with visible LED.

Intelligent SLC Modules

Model SD500-AIM

Dry Contact Input Module. Designed to used with normally open dry contacts. Mounts in a 4 inch square electrical box. It features an indicator LED to show alarm status and a coverplate.

Model SD500-MIM

Mini Dry Contact Input Module. A miniature version of the addressable input module which is designed to be used with pull stations and other normally open dry contact inputs where a smaller size is desired.

Model SD500-ARM

Addressable Relay Module. Features 2 Form C output relays, designed to mount on a 4 inch square electrical box. Provides indicator LED to show output status and comes with a coverplate.

Model SD500-LED

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

SD500-LIM

Addressable short circuit isolator module for SLC devices

S-BUS Accessories

The following items listed are devices that connected to the IntelliKnight's RS-485 Bus

5860 Remote Fire Annunciator

The 5860 features the same 80 character backlit LCD display keypad and firefighter's keyswitch as the 5820. The system can be fully programmed and operated from any remote annunciator.

5880 LED/IO Module

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

5496 Intelligent Power Module

The Model 5496 is a 6 amp.notification power expander that provides four additional power-limited notification appliance circuit outputs.

5865-3 and 5865-4 Remote LED Annunciator

Features 30 Programmable LEDs (15 red and 15 yellow) outputs and 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 Gateway Module

Has one parallel and one RS-232 serial port for connecting any standard IBM-compatible printer to the IntelliKnight system. Interfaces with building control system.
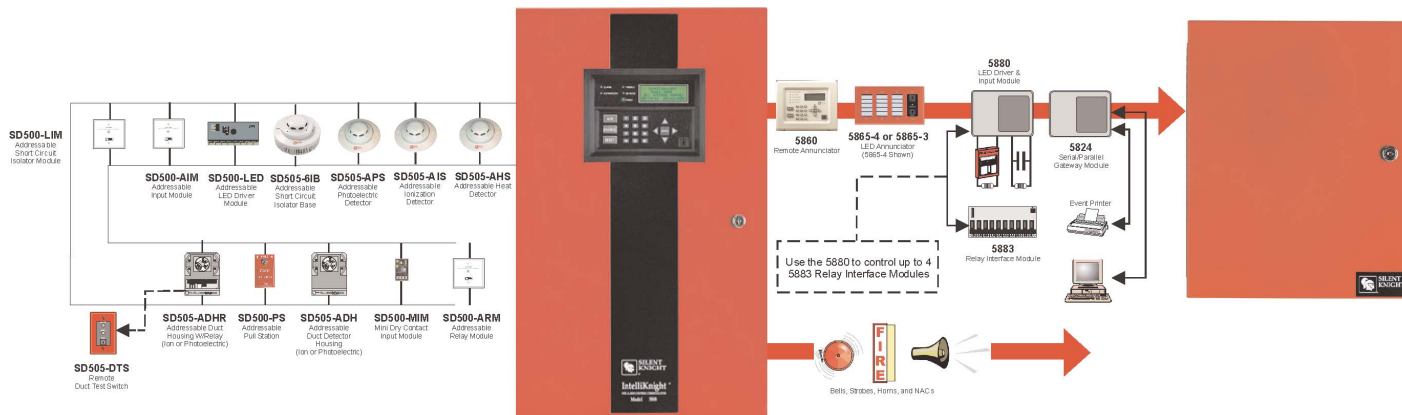
SKSS Silent Knight Software Suite

5660 Up Down Load Software

User-friendly, Windows^{TM} software for remote programming of the IntelliKnight panel using a PC.

5670 Facility Management Software

Powerful end-user software allows viewing of detector status and event history via modem or direct connection.