

6808U ULTRA SERIES

Intelligent Fire Alarm Control Panel with Communicator

The 6808U features a built-in SLC circuit, eight Flexput® circuits, powerful software features and connectivity for up to 17 panels.

The 6808U is the latest intelligent addressable FACP (Fire Alarm Control Panel) from Silent Knight. The 6808U has one SLC (signaling line circuit) loop for connecting addressable detectors, which can support 159 SK sensors and 159 SK modules.

A common communications and annunciation link allows up to 17 panels to be connected via copper or fiber optic cable. A designated panel is configured as the communicator for all panels in the link for convenient single-point communications.

The 6808U has eight onboard Flexput® circuits that can be configured as notification outputs or auxiliary power. There are four types of Aux power available: door holder, constant power, resettable power and sounder sync power. The 6808U also has form-C trouble relay, and two programmable form-C relays, along with powerful features such as drift compensation, pre-trouble maintenance alert, a built-in sensor test to comply with NFPA 72 calibration testing requirements, and a calibration trouble alert.

The 6808U supports a variety of devices, including 6860, 5824 serial/parallel printer interface modules (for printing system reports).



FEATURES AND BENEFITS

- Complies with UL 864 10th Edition
- Built-in support for up to 159 SK detectors and 159 SK modules
- Eight Flexput circuits (3 amps max) for NAC outputs or auxiliary power
- Selectable strobe synchronization for System Sensor devices
- 250 software zones and 250 output groups for flexible design options
- Four line LCD display with 20 characters per line
- Built-in USB interface for quick and easy programming
- JumpStart® auto programming reduces installation time
- Allows up to 24 SBUS devices
- Two programmable relays and one fixed trouble relay
- Convenient field-upgradeable firmware
- Connectivity for up to 17 sites
- Network card allows copper network connection with a multi-mode or singlemode fiber connection
- Programmable date setting for Daylight Savings Time
- History file with 1,000 event capacity
- Can be surface or flush-mounted

Honeywell

USER INTERFACE

LED INDICATORS

- General Alarm (Red)
- Supervisory (Yellow)
- System Trouble (Yellow)
- System Silenced (Yellow)
- System Power (Green)

KEYPAD

- 12-key numeric pad
- Acknowledge
- Alarm Silence
- System Reset
- F1-F4 Programmable Function Keys

PROGRAMMING

The 6808U system offers several options to simplify and expedite programming. JumpStart auto programming minimizes programming required to start a new system. The built-in keypad, or the remote annunciators give on-site access to current system programming. System programming can also be accomplished using the Windows®-based Honeywell Fire Software Suite (HFSS).

ORDERING INFORMATION

6808U: Addressable fire alarm control panel, red

COMPATIBLE SBUS DEVICES

- 6860: 4x40 LCD remote fire annunciator with four programmable buttons, red
- 5880: LED I/O module with 40 programmable LED outputs and eight supervised dry contact inputs
- 5824: Serial/Parallel printer interface module for printer connection

SK COMPATIBLE ADDRESSABLE DEVICES

- SK-CONTROL: Supervised control module
- SK-FIRE-CO-W: Four criteria fire and carbon monoxide detector, white
- SK-HEAT-W: Fixed thermal detector (135°F), white
- SK-HEAT-HT-W: Fixed high temperature thermal detector (190°F), white
- SK-HEAT-ROR-W: Fixed rate of rise detector, white
- SK-ISO: Fault isolator module
- SK-MINIMON: Mini monitor module
- SK-MONITOR: Monitor module
- SK-PHOTO-T-W: Photoelectric smoke detector with fixed thermal heat (135°F), white
- SK-PHOTO-W: Photoelectric smoke detector, white

- SK-PTIR-W: Multi criteria photoelectric smoke detector with thermal
- SK-PULL-SA: Addressable single action pull station
- SK-PULL-DA: Addressable dual action pull station
- SK-RELAY: Addressable relay module
- SK-ZONE: Addressable zone interface module

COMPATIBLE BASES

- B501-WHITE: 4" Flangeless mounting base
- B200S: Intelligent sounder base
- B200S-LF: Low-frequency intelligent sounder base
- B224RB: Relay base
- B224BI: Isolator base

SYSTEM EXPANDERS

- RPS1000: 6A power supply with six Flexput circuits and two Form C relays
- 6815: SLC Expander for SK devices

MISCELLANEOUS ACCESSORIES

- SK-NIC: Network Interface Card. Provides a common communications link for the 6808U
- SK-FML: Fiber-Optic Multi Mode, transmitter and receiver
- SK-FSL: Fiber-Optic Single Mode

SOFTWARE SOLUTIONS

HFSS: Honeywell Fire Software Suite provides remote and local panel programming, detector status, event history and additional data. Databases can be uploaded/downloaded via the panel's USB port using a flash drive. Requires a PC running Microsoft® Windows®.

6808U ULTRA SERIES TECHNICAL SPECIFICATIONS

SYSTEM CAPACITY

Intelligent Signaling Line Circuits: 1
Addressable device capacity: 318 (SK)
Programmable software zones: 250
Output circuits: 8 (expandable)
SBUS Devices: 24 (12 annunciators, 8 LED modules)

ELECTRICAL

AC Power: 120 VAC, 60 Hz, 5 A or 240VAC, 50/60Hz 2.8A
Standby Current: 230 mA
Alarm Current: 415 mA
Flexput Circuits: Terminal block provides connections for (8 Class B or four Class A) NACs or auxiliary power. Power-limited, supervised circuitry. Maximum current per circuit: 3 A. Cannot exceed 9A total for all circuits. End-of-line resistor: 4.7k ohm, ½ watt for Class B NACs
Communication Loop: Supervised and power-limited, Class A or Class B, 32VDC, 150mA
Two Programmable Relays and One Fixed Trouble Relay:
Contact rating: 2.5 A @ 27.4VDC (resistive), Form C
Battery: Cabinet holds maximum of two 18 AH batteries
Battery Charger Capacity: 17-55 AH

PHYSICAL

Dimensions: 16.4"W x 26.4" H x 41." D
(41.66cm W x 67.06cm H x 10.41cm D)
Weight: 45 lbs. (20.4 kg).
Color: Red

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C (32– 120°F) and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

NFPA STANDARDS

The 6808U complies with the following NFPA 72 Fire Alarms Systems requirements: NFPA 13, NFPA 15, NFPA 16, NFPA 70, NFPA 72

AGENCY LISTINGS AND APPROVALS

UL Listed: S2766
CSFM: 7165-0559:0502
FDNY: COA# 6246
FM Approved
Seismic: (CA) VMA-45894-05C

Flexput®, Honeywell®, JumpStart®, Silent Knight®, and System Sensor® are registered trademarks of Honeywell International Inc. ANSI® is a registered trademark of the American National Standards Institute, Inc. Microsoft® and Windows® are registered trademarks of Microsoft Corporation.

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.

Country of origin: USA

For more information,

<https://honeywellbuildings.in>

Tel: +91 124 4975000

Email: BuildingAutomation.FireIndia@honeywell.com

Honeywell Building Automation

Unitech Trade Center, 5th Floor, Sector-43,
Block C, Sushant Lok Phase - I,
Gurgaon - 122 002, Haryana, India

HN-SK-08U-0426
© 2026 Honeywell International Inc.

Honeywell