Farenhyt

SILENT KNIGHT

by Honeywell

Intelligent Power Module

5496

The 5496 intelligent power module by Silent Knight is the most cost-effective power supply available today. It delivers 6 amps of notification appliance circuit power and built-in synchronization for appliances from System Sensor®,Gentex®, Faraday, AMSECO, System Sensor®, and Wheelock®. The 5496's advanced microprocessor design is years ahead of the competition. Its switch mode power supply design is up to 50% more efficient than competitive linear mode power supplies.

The 5496 is a 6 amp notification power expander that provides its own AC power connection, battery charging circuit, and backup battery for use with Silent Knight IFP-Series fire alarm control panels (FACPs). The 5496 is the cost-effective solution for powering notification appliances required by the Americans with Disabilities Act (ADA). The 5496 has built-in ANSI cadence pattern. The output circuits can be programmed as notification appliance circuits, or as auxiliary power (configurable for constant, resettable, or door holder power).
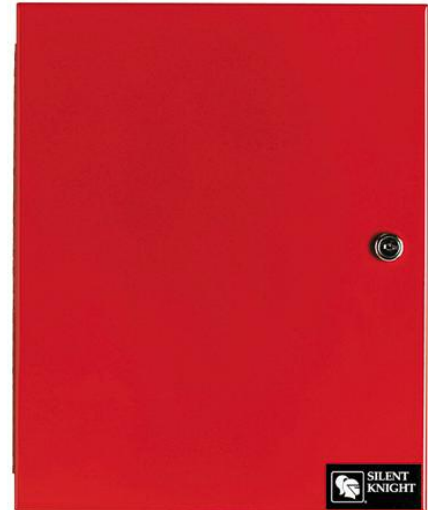
Features

- UL Listed for 6 amps of notification power
- Power supply's advanced switch mode design reduces damaging heat and manages power up to 50% more efficiently than other systems
- Built-in synchronization for appliances from Gentex, Faraday, AMSECO, System Sensor, and Wheelock
- 24 VDC filtered output voltage
- Four power-limited notification outputs; 2 Class A or 4 Class B, or 1 Class A and 2 Class B
- NACs are programmable as notification appliance circuits, or as auxiliary power to be used as constant, resettable, or door holder power
- 3 amps per output circuit
- Ground fault detector
- Communicates to the FACP via 4-wire SBUS (wire runs up to 6000 ft)
- AC loss delay option shuts off power to non-essential high-current accessories like magnetic door holders
- Lightweight design adds to ease of installation and reduces shipping costs
- ANSI Cadence pattern output capability built-in
- UL 864 & 1481 listed
- CSFM approved
- MEA approved
- OSHPD (CA) OSP-0065-10 (see accessories)

Agency Listings

UL

MEA

429-92-E Vol. XIV

5496 Intelligent Power Module

Installation

The 5496 cabinet is surface mounted.
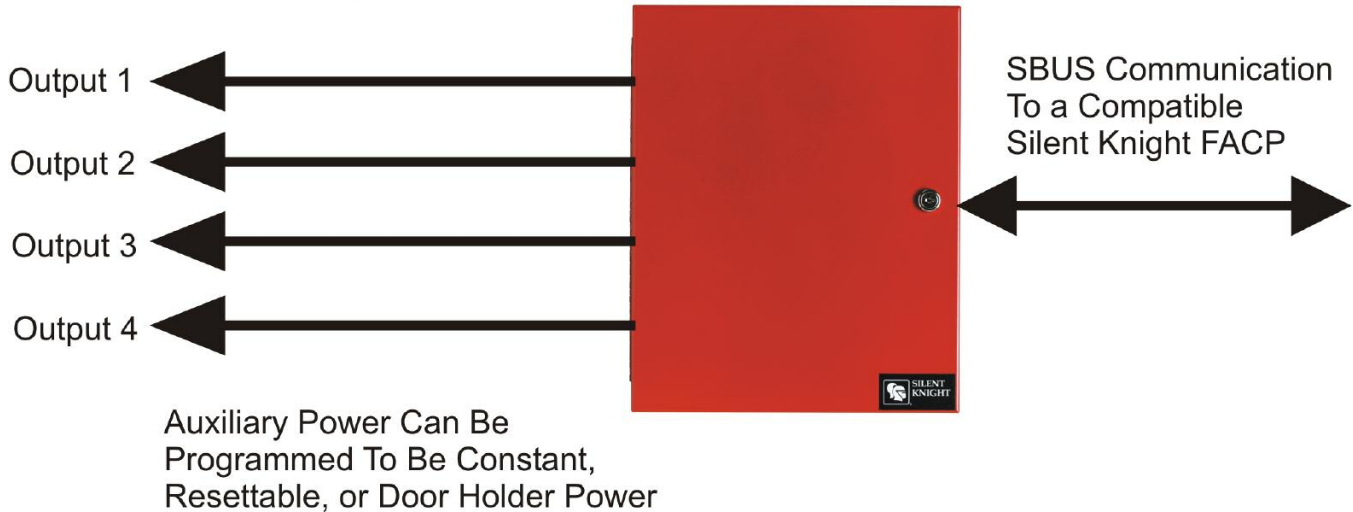
Compatibility

The 5496 is compatible with the following FACPs:

- IFP-2000 / RPS-2000 Intelligent Fire Panel
- IFP-2000ECS Emergency Communication System with Fire Panel
- IFP-1000 / ECS Intelligent Fire Panel
- IFP-100 / ECS Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

4 Outputs Programmable
as Notification Appliance Circuits,
or as Auxiliary Power

Output 1 ◄

Output 2 ◄

Output 3 ◄

Output 4 ◄

SBUS Communication
To a Compatible
Silent Knight FACP

Auxiliary Power Can Be
Programmed To Be Constant,
Resettable, or Door Holder Power

Specifications

Physical

Height: 16" (40.6 cm)

Width: 12.25" (30.9 cm)

Depth: 3" (7.6 kg)

Shipping Weight: 8.7 lbs. (3.9 kg)

Electrical

AC Input: 120 VAC at 2.7A

Output: 24 VDC at 6A

Standby & Alarm Current: 10 mA

Notification/Aux. Power Circuits: 4

Output Configuration:
   2 Class A (Style Z)
   4 Class B (Style Y)
   1 Class A & 2 Class B

Amps Per Output Circuit: 3.0 (6.0 amps total)

Notification Circuit Output: 20.4 – 27.3 VDC @ 3.0A each

End-of-Line Resistance: 4.7k Ω EOL resistor required on each Class B circuit

Battery Charging Capacity: 7.0 – 35.0 AH

Environmental

Operating Temperature: 32°F to 120°F (0°C to 49°C)

Humidity: 10% – 93% non-condensing

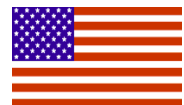## Ordering Information

5496 Intelligent Power Module
RBB Remote Battery Box

Accessories:

SK-SCK Seismic Compliance Kit