Honeywell | 7075 Series

GFPS-6S

Intelligent Power Module

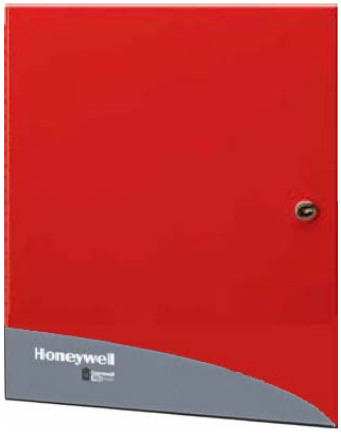
General

The GFPS-6S intelligent power module by Gamewell-FCI is a cost-effective power supply that delivers 6 amps of notification appliance circuit power and built-in synchronization for appliances from the following manufacturers:

• System Sensor® • Gentex® • Faraday™ • AMSECO® • Wheelock®

The GFPS-6S's advanced microprocessor design is years ahead of the competition. Its switch mode power supply design offers up to 50% more efficiency than competitive linear mode power supplies.

The GFPS-6S is a 6 amp notification power expander that provides its own AC power connection, battery charging circuit, and backup battery for use with the Gamewell-FCI's GWF-7075 fire alarm control panels (FACPs). The GFPS-6S is the cost-effective solution used for powering notification appliances required by the Americans with Disabilities Act (ADA). The GFPS-6S has a 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).



GFPS-6S

Installation

The GFPS-6S cabinet is surface mounted.

Compatibility

The GFPS-6S is compatible with the following FACP:

• GWF-7075 Intelligent Fire Panel

ORDERING INFORMATION

GFPS-6S: Intelligent Power Module

FEATURES & BENEFITS

- UL® Listed for 6 amps of notification power
- The power supply's advanced switch mode design reduces damaging heat and manages power up to 50% more efficiently than other systems
- Offers a built-in synchronization for appliances from Gentex, Faraday, AMSECO, System Sensor, and Wheelock
- Provides 24 VDC filtered output voltage
- 3 amps per output circuit
- Includes four power-limited notification outputs:
  - Two Class A
  - Four Class B
  - One Class A
  - Two Class B
- Has a built-in ANSI Cadence pattern output capability
- The NACs are programmable as notification appliance circuits, or as auxiliary power to be used as constant, resettable, or door holder power
- Contains a ground fault detector
- Communicates to the FACP via 4-wire SBUS (wire runs up to 6000 ft)
- Features an AC loss delay option that shuts off power to the non-essential high current accessories like the magnetic door holders
- Built with a lightweight design that offers a simple installation and reduces shipping costs

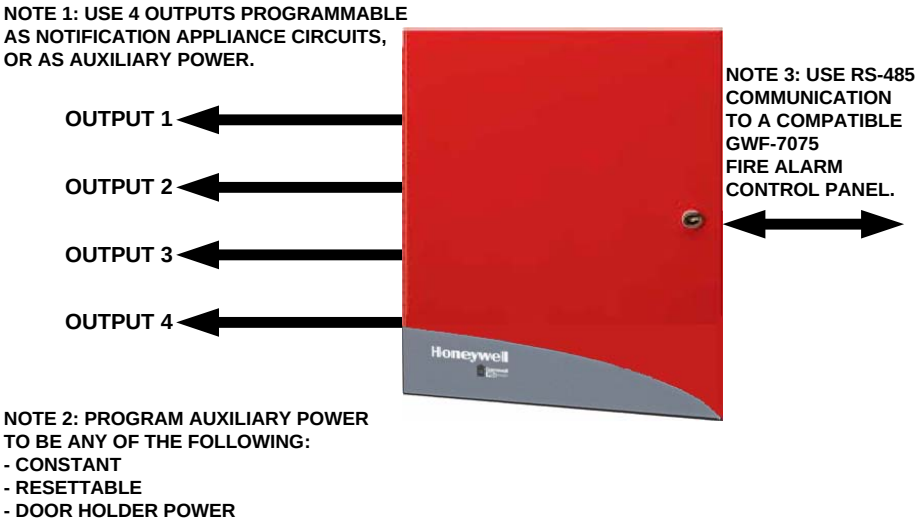


Figure 1 GFPS-6S Panel Setup

GFPS-6S Technical Specifications

SYSTEMS

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
Alarm Current: 160 mA
Standby Current: 40 mA
Notification/Auxilary 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 W EOL resistor required on each
Class B circuit Battery Charging Capacity: 7.0 – 35.0 AH

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.

Standards

The GFPS-6S is designed to comply with the following standard:

UL Standard: 864 9th Edition and 1481

Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: 864
1481 listed
CSFM approved
MEA approved
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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For more information
Learn more about Gamewell-FCI's GFPS-6S and other products available by visiting www.Gamewell-FCI.com

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