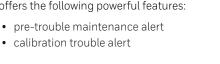# GWF-7075

Intelligent Fire Alarm Control Panel

General

The Gamewell-FCI®, GWF-7075 is an Addressable Fire Alarm Control Panel (FACP). The GWF-7075 has a signaling line circuit (SLC) loop that is used to connect the addressable detectors. The SLC loop is capable of supporting up to 75 detectors and 75 modules using the System Sensor® Velociti® Protocol, and it also offers the built-in support for the SWIFT™ wireless fire alarm devices.

The GWF-7075 is equipped with two configurable Notification Appliance Circuits (NACs) that support a maximum output of 2.5A. This panel communicates with the built-in, dual-line digital and IP communicator including an optional cellular communication module.

The GWF-7075 fire alarm control panel offers the following powerful features:

- detector sensitivity
- day/night thresholds
- drift compensation
- pre-trouble maintenance alert
- calibration trouble alert

GWF-7075

The GWF-7075 panel supports a variety of devices, including the following accessories:

- RA-1000 Remote Annunciator
- 5880 - LED I/O Module
- GFPS-6S Intelligent Remote Power Supply
- 5824 Serial/Parallel Printer Interface Module (for printing system reports)

FEATURES & BENEFITS

- Built-in support for up to 75 detectors and 75 modules operating in Velociti® mode
- Offers a four line LCD display with 40 characters per line
- Available in a red or a black cabinet
- GWF-7075 can be surface or flush mounted

- Contains a built-in USB interface used for programming
- Includes the programmable date setting for Daylight Saving Time
- Uses a JumpStart Auto Programming® feature for easy programming
- Reports events to the Central Station by point or by zone

- System programmable from the front panel
- Provides a built-in dual phone line, digital alarm communicator/ transmitter (DACT), IP or optional cellular technologies
- Firmware can be upgraded in the field

- Supports up to four SWIFT™ wireless gateways. Each gateway may include up to 49 wireless devices
- Supports Class B (Style 4) and Class A (Style 6 or Style 7 configuration for SLC, and SBUS

- Offers a built-in synchronization for some models,

Note: To identify the compatible models, refer to the Compatibility Addendum to Gamewell-FCI Manuals, P/N:9000-0427-L8.

Optional Accessories

RA-1000: Remote Annunciator

The RA-1000 is a remote annunciator used to operate the GWF-7075 Fire Alarm Control Panel (FACP). It connects to the control panel via the RS-485 system bus. The RA-1000 is equipped with five status LEDs which indicate:

- Alarm
- AC Power Loss
- System Silenced
- Trouble
- Supervisory

GFPS-6S: Intelligent Remote Power Supply

The GFPS-6S intelligent power supply delivers 6A of Notification Appliance Circuit (NAC) power and offers built-in synchronization for some appliances developed by the following manufacturers.

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

Note: Sync Feature Restriction: Not all devices can use the Sync Feature. To ensure that the selected device works with the Sync Feature, refer to the Compatibility Addendum to Gamewell-FCI Manuals, P/N: 9000-0427-L8.

The GFPS-6S provides its own AC power connection, battery charging circuit, and backup battery for use with the GWF-7075 FACP. The output circuits can be programmed as NACs or as auxiliary power (configurable for constant, resettable, or door holder power).

5824: Serial / Parallel Module

The 5824 is equipped with one parallel and one RS-232 serial port that allows the GWF-7075 to connect to virtually any standard PC-compatible printer to generate reports on site.

5880: LED I/O Module

The 5880 provides 40 programmable LED outputs and eight supervised dry contact inputs. These devices offer an effective way to customize remote annunciation. The GWF-7075 supports up to eight 5880 modules to offer maximum flexibility.

5220: Direct Connect Module

The 5220 is a direct connect module used to connect a fire alarm control panel (FACP) to a city box or polarity reversal communicator.

COMPATIBLE DEVICES

For a list of compatible devices, refer to the following documents:

- Compatibility Addendum for Gamewell-FCI Manuals, P/N: 9000-0427-L8
- SWIFT™ Intelligent Wireless Detectors, P/N: 9021-60818
- SWIFT™ Intelligent Wireless Modules, P/N: 9021-60819
- SWIFT™ Wireless Gateway, P/N: 9021-60824

ORDERING INFORMATION

GWF-7075: Intelligent Fire Alarm Control Panel. Red
GWF-7075B: Intelligent Fire Alarm Control Panel, Black

SBUS Accessories

RA-1000: Remote Annunciator (Black)
    Dimensions: 7.4"H x 9.1"W x 1.5"
                           (18.8 x 23.1 x 3.8) cm
RA-1000R: Remote Annunciator (Red)
GFPS-6S: Intelligent Remote Power Supply
    Dimensions: 16"H x 12.25"W 3"D
                           (40.6 x 30.9 x 7.6) cm
5824: Serial / Parallel Module
    Dimensions: 6"H x 7.75"W x 1.44"D
                           (15.0 x 19.4 x 3.6) cm
5880: LED I/O Module
    Dimensions: 7.75"H x 6"W x 1.94"D
                           (19.4 x 15.0 x 4.8) cm
5220: Direct Connect Module
    Dimensions: 1.31"H x 6.5"W x 2.13"D
                           (3.33 x 16.51 x 5.40)cm

Miscellaneous Accessories

HFSS: Software Suite. Provides programming, upload/download and event reporting
BB-17F: Remote Battery Box Cabinet. Holds up to two 18 Amp Hour batteries.
    Dimensions: 16" W x 10" H x 6" D
                           (40.64 W x 25.40 H x 15.24 D) cm

GWF-7075 Technical Specifications

SYSTEMS

PHYSICAL:

Overall Dimensions: 15.12" H x 12.71" W x 3.33" D
38.40 H x 32.28 W x 8.46 D cm

Weight: 25 lbs.

Color: Red or Black

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

Humidity: 0 to 93% relative humidity
(non-condensing)

ELECTRICAL:

GWF-7075 Primary AC: 120 VAC @ 60 Hz,
900mA Total

Accessory Load: 2.5A @ 27.4 VDC Class A
Power-Limited

   NAC Power: 1A per NAC, 2.5A Total

   Aux Power: 27.4 VDC

Form C Trouble & Alarm Relay: 2.5A @ 27.4 VDC,
Resistive

Standby Current: 165 mA

Alarm Current: 310 mA

Battery Charging Capacity: 7 to 35 AH

Battery Size: 7 A/H maximum allowed in the control panel cabinet. Larger capacity batteries can be housed in the BB-17F accessory cabinet.

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 GWF-7075 is designed to comply with the following standard:

UL Standard: UL 864 9th Edition

NFPA STANDARDS

   NFPA 13 Sprinkler
   NFPA 15 Water Spray
   NFPA 16 Foam Water
   NFPA 70
   NFPA 72
   Central Station
   Remote Signaling
   Local Protective Signaling Systems
   Auxiliary Protected Premises Unit & Water Deluge
   Releasing Service

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: S1869

CSFM: 7165-1703:0500

FDNY: COA-6255

OSHPD (CA)

Approved Releasing Solenoids:

   Asco® T8210A107 24 VDC 3 A max. 0 Hz
   Asco® 8210G207 24 VDC 3 A max. 0 Hz

ISO 9001 Certification

For more information

Learn more about Gamewell-FCI's GWF-7075 and other products available by visiting www.Gamewell-FCI.com

Honeywell