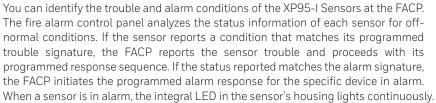# XP95-I

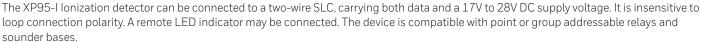## Analog Addressable Ionization Smoke Sensor

General

The Gamewell-FCI Analog Addressable Ionization Sensor (XP95-I) is designed for operation with the Gamewell-FCI, 600 Series and ILI95-E3 Series, fire alarm control panels. Each XP95-I ionization smoke sensor digitally transmits its address and the chamber's analog "real-time" value to the fire alarm control panel (FACP) for analysis. The Ionization Sensor head is housed in a molded case built with wind-resistant smoke inlets. The external alarm indication is a Light Emitting Diode (LED) that is easily visible through the housing. The Ionization sensor is distinguished by the red status. LED, which flashes briefly when the device is polled and turns on continuously when the device is in alarm.

Operation

The XP95-I Ionization Sensor uses a dual chamber design. The ionization chamber system has an inner reference chamber and an outer sensing chamber. A single radioactive source mounted within the inner reference chamber irradiates air in both chambers to produce positive and negative ions. When the smoke particles enter the ionization chamber, ions become attached to the smoke particles and the current flowing through the ionization chamber decreases. This information is processed electronically and digitally transmitted to the 600 Series or the ILI95-E3 Series FACP.

XP95-I

You can identify the trouble and alarm conditions of the XP95-I Sensors at the FACP. The fire alarm control panel analyzes the status information of each sensor for off-normal conditions. If the sensor reports a condition that matches its programmed trouble signature, the FACP reports the sensor trouble and proceeds with its programmed response sequence. If the status reported matches the alarm signature, the FACP initiates the programmed alarm response for the specific device in alarm. When a sensor is in alarm, the integral LED in the sensor's housing lights continuously.

The XP95-I Ionization detector can be connected to a two-wire SLC, carrying both data and a 17V to 28V DC supply voltage. It is insensitive to loop connection polarity. A remote LED indicator may be connected. The device is compatible with point or group addressable relays and sounder bases.

Ordering Information

XP95-I: Analog Addressable Ionization Sensor (55000-550)
XP95-B6EZ: 6-Inch (15.24 cm) Ultra Low Profile EZ-Fit Mounting Base with X-Pert Card (45681-250)
XP95-B4: 4-Inch (10.16 cm) Mounting Base with X-Pert Addressing Card (45681-2101)
XP95-B6R4: 6-Inch (15.24 cm) Relay Base (4-Wire) with X-Pert Addressing Card
XP95-B6SNDR: 6-Inch (15.24 cm) Mounting Base with X-Pert Addressing Card and Audible Alarm Sounder in the base
GW30203: Remote LED (24V)
GW71112: Additional Blank X-Pert Addressing Cards
XP95-B6LOW: 6.0" (15.24 cm) low-profile mounting base with XPert addressing card (45681-234)

FEATURES & BENEFITS

- Compatible with the following Gamewell-FCI, analog addressable fire alarm control panels
  - 600 Series
  - ILI95-E3 Series

- Fits the following ultra low profile E-Z fit bases:
  - 4-inch (10.16 cm)
  - 6-inch (15.24 cm)
- Provides an audible alarm sounder base
- Includes a 4-Wire relay base

- Address is stored in the sensor base
- Address is set by X-Pert addressing card

- Contains a two-color status LED
- Offers an optional remote LED

- Housed in a wind-resistant case
- Built with a dual chamber design

SYSTEM

Standby Current: 280 uA
Alarm LED Current: 2 mA
Remote Alarm Output: 0.228 @ 5 VDC
Temperature Rating:
 Maximum continuous operating: 140°F (60°C)
 Minimum continuous operating: 32°F (0°C)
 Minimum operating (non-condensation):
 –5°F (-20.55°C)
 Relative Humidity: 0% - 95%, non-condensing

ENGINEER'S SPECIFICATIONS

Where indicated on the plans, the contractor will furnish and install dual chamber ionization sensors with one of the several available addressable mounting base options. The combination sensor head and twist-lock mounting base are UL® Listed as compatible with the Gamewell-FCI, 600 Series or ILI95-E3 Series Analog Addressable FACP. The base permits free interchange of sensor heads without requiring any additional wiring or additional programming of the head or base. The Gamewell-FCI model XP95-I smoke sensor has an LED that turns on when the unit goes into alarm.

STANDARDS

The XP95-I is designed to comply with the following standard:

UL STANDARDS

UL Standard 864 9th Edition

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 the factory for the latest listing status.
UL Listed: S1195
FM Approved
FDNY Approved: 149-99-E
CSFM: 7271-1703-0157
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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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: U.S.A.

Honeywell

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FCI FIRE CONTROL INSTRUMENTS