

XP95-T

Analog Addressable Thermal Sensor

General

The Gamewell-FCI, XP95-T Analog Addressable Thermal Sensor is designed to operate with the Gamewell-FCI 600 Series and ILI95-E3 Series fire alarm control panels (FACPs). The Series XP95-T thermal sensor digitally transmits its address and the chamber's analog temperature value to the FACP for analysis. The thermal sensors are designed with open webs in the housing. This feature allows the free movement of air to flow around the exposed thermistor.

Operation

The XP95-T thermal sensor constantly monitors its sensing element as well as its internal electronics. The results are digitally reported along with the unit's address through the integral communication electronics located in the sensor head. The thermal sensor monitors the temperature by using a single thermistor network which provides a voltage output that is proportional to the external air temperature. This signal is processed and conditioned by an on-board advanced technology ASIC. When required, this feature digitally transmits the ambient temperature data to the FACP.

You can identify the trouble and alarm conditions of the XP95 sensors at the FACP. The status information of each sensor is analyzed for off-normal conditions by the control panel. If the sensor reports a condition that matches its programmed trouble signature, the FACP will report that the sensor is in trouble and will follow its programmed response sequence. Likewise, if the status reported matches the alarm signature, the FACP will follow the programmed alarm response for the specific device in alarm. When a sensor is in alarm, the integral LED in the sensor's housing will light continuously.

The XP95-T thermal sensor is calibrated to return a normal air temperature analog value to the FACP at 77°F. The device connects to a two-wire loop circuit carrying both data and a 117 to 28 VDC supply voltage, and it is insensitive to loop connection polarity. A remote LED indicator can be connected. The device is compatible with point or group-addressable relay and sounder bases.



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FEATURES & BENEFITS

- Compatible with the following Gamewell-FCI analog addressable fire alarm control panels (FACPs):
 - 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)
- Includes an audible alarm sounder base
- Stores the address in the sensor base
- Comprises thermal adjustable programming
- Has an optional remote LED
- Sets the address by the XPert addressing card
- Contains a two-color status LED
- Provides fixed point or rate-of-rise functions
- Offers a timed temperature increase that causes an alarm

XP95-T Technical Specifications

SYSTEM

Standby Current: 250 μ A

Alarm LED Current: 4 mA

Remote Alarm Output: 4 mA @ 5 VDC

Temperature Range: -4°F to 154°F

Relative Humidity: (non-condensing) 0% to 95%

Recommended Spacing: Smooth ceiling 60ft. (18.288 m) to walls 25 ft. (7.62 m)

Thermal Sensor Performance Features:

1) Thermal sensors have a thermal adjustable programming range from 25°C to 90°C (77°F to 194°F) in 1°C increments.

2) Thermal Sensors have a thermal rate-of-rise feature.

When this feature is enabled in programming, if the XP95-T sensor increases the temperature by greater than 15°F (in less than one minute), an alarm activates.

ENGINEER'S SPECIFICATIONS

The contractor shall furnish and install, where indicated on the plans, electronic thermal sensors with one of the several available addressable mounting base options. The combination sensor head and twist-lock mounting base shall be UL® Listed and UL Listed as compatible with the Gamewell-FCI, 600 Series or ILI95-E3 Series analog addressable fire alarm control panels.

The base shall permit free interchange of sensor heads without requiring any additional wiring or programming of the sensor head or base. The sensor shall contain an integral LED that shall latch-in when the unit goes into alarm. It shall be the Gamewell-FCI model XP95-T.

STANDARDS

The XP95-T 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: 2527

FM Approved

FDNY Approved: 149-99-E

CSFM: 7270-1703-0156

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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Country of origin: U.S.A.

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