interSeptor

Ethernet Environmental Monitoring Unit

Temperature/Humidity and GoProbe! Sensor Installation Guide

V 1.0

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Thank you for purchasing an interSeptor sensor

Please use the following instructions to install the sensor

<u>**Sensor Installation Instructions**</u>

<u>Temperature / Temperature & Humidity Sensors</u>

The temperature sensor and/or temperature / humidity sensor should be connected to the interSeptor using the supplied black cable. Once you have located the sensor, plug one end of the cable into the RJ45 socket of the device and the other end into one of the two "EMD" ports on the rear panel of the interSeptor. The interSeptor will then auto-detect the presence of the device. The high / low thresholds and the hysteresis level for the sensors can be configured via the web browser interface.

<u>GoProbe! Sensors</u>

The GoProbe! sensors (security, voltage, water leak detection, dry contact, PIR, vibration and smoke) should be attached to the interSeptor via the GoProbe! alarm sockets on the temperature and temperature / humidity sensors. The sensor contacts should be inserted and screwed into either the left pair (first alarm) or right pair (second alarm) of GoProbe! sockets.

<u>Security Sensor</u>

The relevant alarm should be configured in the browser (through the EMD-1 or EMD-2 setup screens) to be either "Normal Close" or "Normal Open", depending on the sensors deployment.

<u>Voltage Sensor / PIR Sensor / Vibration Sensor</u>

The relevant alarm should be configured in the browser (through the EMD-1 or EMD-2 setup screens) to be "Normal Close". When power is lost, movement detected or vibration sensed the alarm will become 'Active'.

NOTE: The LED on the voltage detector does not indicate status and should therefore be ignored.

<u>Water Leak Detector</u>

The relevant alarm should be configured in the browser (through the EMD-1 or EMD-2 setup screens) to be "Normal Open".
When water is detected along the sensor cable the interSeptor will be activated.
Please follow these instructions to install the leak detection system:

1. Lay out the sensor cable in its intended location, taking care to keep it free from oil and grease and away from metal surfaces.
2. Fix the sensor cable using the cable clips. Please take care not to damage the sensor cable when fixing the clips. DO NOT CUT OFF ANY SURPLUS CABLE. When fixing cable clips, wear eye protection as hardened steel nails can fracture when hit.

3. To test the system, drip a small quantity of water onto the sensor cable. The interSeptor alarm will activate within 10 seconds. Allow the cable to dry completely for the alarm to deactivate.

NOTE: The alarm will continue to alert until the cable has dried out, please ensure the cable is wiped clean after being wet, as any liquid left to dry on to the cable could reduce the effectiveness of the sensor.

NOTE: When laying the sensor cable please ensure that no part of the cable comes into contact with another part of the cable, and that no part of the sensor cable comes into contact with metal surfaces, as this may trigger the alarm.

Dry Contact Cable

The dry contact cable can be used to monitor any device with a normally open / closed contact or high / low alarm output. Connect the dry contact cable to the relevant equipment (fire panel, air conditioning unit etc) according to the manufacturers instructions, and configure the correct alarm setting for a 'normal' state via the interSeptor browser interface.

Smoke Detector

The relevant alarm should be configured in the browser (through the EMD-1 or EMD-2 setup screens) to be "Normal Open". When smoke is detected an audible alarm will sound and the interSeptor will be activated.
Please refer to the smoke detector manual for correct installation.

Airflow Detector

Airflow sensors can be used to provide early warning of air conditioner fan failure. The sensor must be positioned correctly and within the airflow for several minutes to give a correct signal. The volt free circuit is Normal Open and will close when there is low or no airflow detected.

Positioning
The sensor has two glands on top of the unit, these glands both need to be facing the airflow and the airflow needs to pass over the sensor (not be directed at the unit).
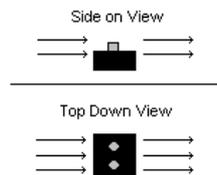
Disclaimer :
Please note that the interSeptor and its sensors are only intended for monitoring environments and should only be used for that purpose. The interSeptor and its sensors should not be used in safety-critical applications or relied upon as human safety devices.

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