

## interSeptor Pro-XP



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### MONITORING & ALERT SYSTEM FOR DATA CENTRES, SERVER ROOMS & RACKS

#### INTERSEPTOR PRO-XP OVERVIEW

Supports up to 32 x Temperature/Humidity Sensors  
Supports up to 64 x Water Leak, Smoke, Security, Power Sensors  
4 x Digital Inputs, 6 x Analogue Inputs, 2 x Digital Outputs  
Email and SNMP Alerts  
Optional SMS Alerts  
Web Browser Interface  
SNMP Monitoring



#### KEY FEATURES

- Remote Monitoring & Alerting
- 2 x Temperature/Humidity Sensors
- Optional Additional 30 x Temp/Humidity Sensors
- Connect up to 64 optional Go-Probe Sensors, including:
  - \* Water
  - \* Smoke
  - \* Security
  - \* Power
- Monitoring via:
  - \* Web browser (HTML)
  - \* SNMP v1, v2c, v3
- Email and SNMP Alerts
- SMS Alerts via optional GSM Modem
- Alarm Schedule facility enabling alerts to be sent only when required
- Extensive on-board data logging
- Optional Alarm Beacon/Siren
- DIN rail mounting
- 12Vdc or 48Vdc power
- CE, FCC, UKCA
- Syslog
- DHCP
- Modbus RTU & TCP/IP
- TLS 1.3 data encryption

#### Preventing Data Centre Disaster

Crucial to any business continuity strategy is the implementation of an effective monitoring and alerting system. Air-conditioning failure, water ingress, fire, power failures and physical security breaches are just a few of the many potential problems that seriously threaten the integrity of network hardware and data.

In situations where rooms are unmanned for any length of time, especially at weekends and overnight, these issues can result in significant network downtime and cost.

interSeptor Pro-XP is an advanced EMS that can monitor critical environments and provide early-warning alarm notification if a threat is detected. Environmental conditions can be monitored and logged, alarm thresholds configured, and automated early-warning alerts delivered to key IT personnel via email, web browser, dashboard, SNMP and (optional) SMS. An Alarm Beacon/Sounder option is also available for on-site visual and audible alerts if required.

#### Flexibility and Scalability to Maximise Return on Investment

interSeptor Pro-XP can monitor up to 32 temperature/humidity sensors using (Cat5) daisy-chain connections between each sensor (4 strings of 8 sensors each). 2 alarm sensors (water, smoke, power, security, etc.) can be connected to each temperature/humidity sensor, so up to 64 of these can be deployed and monitored in total. This design offers complete flexibility and scalability to help ensure both present and future monitoring needs can be met.

## INTERSEPTOR PRO-XP: FLEXIBLE DATA CENTRE MONITORING

The Pro-XP is easy to install and use. The device can be monitored using its web browser interface or Network Management System using SNMP.

Automatic switching/control of associated local devices during crisis conditions is also possible, as is extensive logging of data centre conditions for active analysis and fault-finding.

interSeptor Pro-XP is 'wired for reliability' and uses Cat5 cables to connect between its RJ45 environmental ports and temperature/humidity probes. This makes it extremely easy to locate all sensors where needed and relocate if required in the future. The Pro-XP also has a wifi feature for network switch/router connection if needed.



### Configuration

Configuration of temperature and humidity high/low threshold settings, polling and logging options, alerting options, etc. can all be carried out quickly and easily via a web browser. If multiple Pro-XP units are to be configured, a back-up of the first unit can be uploaded to additional units to facilitate quick implementation.

### Monitoring

Monitoring of the interSeptor Pro-XP can be carried out remotely using a web browser or via a Network Management System or Smart City/Building software platform using SNMP.

### Alerts

Email and SNMP alerts can be triggered to provide early warning of environmental problems. In addition, SMS alerts can be sent using an optional GSM modem (SIM not supplied). The interSeptor Pro-XP can use any standard SMTP mail server to relay email alerts in the event of alarm conditions. Gmail is supported (if you use another encrypted hosted email exchange such as Office 365, please contact us to confirm compatibility before purchasing).

### Additional Optional Equipment for interSeptor Pro-XP

- Dry Contact/Universal interface cables for connection to onsite facilities (eg. air conditioning, UPS, alarm panel etc.)
- Alarm Beacon/Sounder for local audible/visual alerts
- GSM Modem for SMS Alerts



### Warranty

interSeptor Pro-XP is supplied with a 2-year swap-out warranty

### Logging

interSeptor Pro-XP has extensive on-board logging features to ensure alarm conditions can be tracked, early analysis of problems carried out and trend analysis conducted as required. Log files can be delivered to key personnel daily in .csv format or downloaded as needed.



### Installation

interSeptor Pro-XP has been designed for ease of installation and use. 2 x temperature/humidity sensors are provided out-of-the-box with 2 x 2m Cat5e interface cables to ensure individual rack and room monitoring can begin immediately. It is possible to implement Cat5 cabling between each sensor and the RJ45 ports on the Pro-XP's or on one of the other temperature/humidity sensors in the same daisy-chain. The Pro-XP can be neatly housed inside a data rack using a DIN rail.

# interSeptor Pro-XP Environmental Monitoring & Alerting System

## SPECIFICATIONS

<b>Sensor Capacity:</b>	
Temperature/Humidity	32 (4 x 8, Daisy-chained)
Go-Probe Sensors (Water, Smoke, Security, Power, etc)	64 (2 x Go-Probe sensors per every Temperature/ Humidity sensor)
Digital Inputs (Dry Contact)	4
Analogue Inputs (0-5V, 0-10V, 0-15V, 4-20mA)	6
Digital Outputs (48V/1A)	2
Network	10/100Mbps Ethernet (auto-sense)
Configuration	via Browser Interface
Power	12VDC (Adapter Supplied) 12VDC-48VDC (via Terminal Block)
Monitoring	Browser SNMP (v1, v2c, v3)
Alerts	Email SNMP SMS (with optional GSM Modem)
<b>Alert Configuration:</b>	
Temperature/Humidity	High/Low Warning & Critical Thresholds
Go-Probe Sensors	Normally Open/Closed or High/Low Active
Logs	Data Events Syslog
Firmware Upgrade	via Browser
Protocols	HTTPS SNMP TLS SMTP Modbus DHCP
Dimensions (mm)	170 (W) x 130 (D) x 58 (H)
Weight (g)	390



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