

## ENVIRONMENTAL MONITORING MODULE THREE PHASE

### DESCRIPTION

The Environmental Monitoring Module Three Phase provides advanced monitoring of environmental, electrical, and infrastructure conditions within data center and cabinet environments. Designed to operate within the ORION ecosystem, it supports flexible sensor expansion and centralized monitoring through a unified management platform.



\*Brand product BirSens integrated into the ORION solution.

### KEY FEATURES

Centralized monitoring of environmental, electrical, and infrastructure conditions through a unified platform
Easy monitoring and management by ODCM (Orion Data Center Management) software
Flexible integration of multiple sensing points for scalable deployment across data center environments
Proactive alerting and notification capabilities to support rapid response and risk mitigation
Compatibility with ORION Sensors
Designed for barpa ORION data center

### MECHANICAL & PHYSICAL SPECIFICATIONS

Mounting	19" cabinet mounting 1U
Dimension (mm)	44,45x482,6x152,4
LCD Screen	2 Line - 16 Characters for each line
Digital Sensor Ports	Temperature, Temperature & Humidity, Air Quality
Dry Contact Sensor Inputs	Cabinet Door Contact, Rope Water Leak, Spot Water Leak, Smoke, Vibration, Airflow and any device with a contact output
Electrical Parameters	3 Phases Voltage, 3 Phases Frequency, Ground Voltage

### ELECTRICAL SPECIFICATIONS

Operating Voltage	85-265V AC
Power Consumption	2,7W

## ENVIRONMENTAL MONITORING MODULE THREE PHASE

### ALERT & NOTIFICATIONS

Function	Simple Network Management Protocol (SNMP)
Visual Alerts	LCD-based visual and illuminated warnings
Email Notification	Via ODCM software
SMS & Call Notification	Via optional SMS module
Audible Alerts	Via ODCM software & buzzer sound warning
Audible-Visual Alarm	External siren module support
Mobile App Notification	Via ODCM software mobile application

### NETWORK & SECURITY

10/100 Ethernet (RJ45 connector)
Password Protection, IP Address Filtering
Protocols: HTTP, TCP/IP, UDP, DHCP, SNMP

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature (°C)	-30 to +80
Operating Humidity (%RH)	0 to 85

### ACCESSORIES INCLUDED

Setup & User Guide (DVD)
1x ODCM licence

### REFERENCES

Code	Model	Digital Sensor Port RJ45	Dry Contact / Water Leak Sensor Port	Relay Output	RJ45 Ports	Plug-in	Weight (kg)
82450202001	BS 6408V	4	8				2,22
82450202002	BS 6816V	8	16	2x 16A	2x RJ45 LAN (Master/Slave)	3x AC V	2,25
82450202003	BS 61616V	16	16				2,28

Product developed and manufactured by BirSens.  
barpa offers this solution as an integral part of the ORION solution, ensuring seamless integration and customer support.