

## ENVIRONMENTAL MONITORING MODULE SINGLE PHASE

### DESCRIPTION

The Environmental Monitoring Module Single Phase provides reliable monitoring of environmental and infrastructure conditions within data center and cabinet environments. It enables real-time tracking of critical parameters such as temperature, humidity, air quality, and external sensor inputs, ensuring operational continuity and enhanced protection of IT infrastructure. Designed for flexible deployment, it supports scalable sensor integration and seamless connectivity within the ORION ecosystem.



\*Brand product BirSens integrated into the ORION solution.

### KEY FEATURES

Centralized environmental monitoring ensuring continuous visibility of critical infrastructure conditions
Easy monitoring and management by ODCM (Orion Data Center Management) software
Flexible integration of multiple sensing points for comprehensive coverage across cabinets and 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 SPECIFICATIONS

Operating Voltage	BS 4500 6408B, BS 6816B	12V DC 85-265V AC
Power Consumption	2,5 - 2,7W	

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### 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	Dry Contact Port	Relay Output	RJ45 Ports	Plug-in	Weight (kg)
82450201001	BS 4500	3	6	1x 200 Watt	1x RJ45 PoE	Cylindrical DC Connector (12V)	1,14
82450201002	BS 6408B	4	8	2x 16A	2x RJ45 LAN (Master/Slave)	1x AC V	1,11
82450201003	BS 6816B	8	16				2,22

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