

op5 Environmental Module EM1

Certified and supported module to op5 Monitor



- **Temperature**
- **Humidity**
- **Wetness**
- **Door Status**
- **Dry Contact**

OVERVIEW

The most common use for the op5 EM1 Environmental Monitor is in IT environments such as a server room, datacenter, or network closet. However, this product is flexible enough to accommodate any application that would require monitoring of humidity and temperature, or notification of unwanted water presence.

For an IT application, we recommend placing the EM1 in a convenient location within the room. Your RHT probe should be placed at or around the height of your racks, but centrally located. Additional temperature probes can be placed within more critical racks, or to known hotspots. Often, placement of a temp probe directly in front of the air conditioning unit(s) will allow close monitoring and early warning of AC unit failure.

Common placement for a wetness probe is in a horseshoe shape beyond the perimeter of the AC unit. This way if the unit just drips once or twice, you won't be receiving an alert, but if there is a copious amount of water leaking from the unit, you will be notified. Other areas to consider monitoring for water intrusion are a charged fire suppression system above the room, a known wet wall, or under the raised floor.

ETHERNET CONNECTIVITY

Simply setup the units IP Address, Netmask and Gateway and begin collecting environmental data or let the unit dynamically configure the network settings for you. Also supports DHCP.

INTERNAL WEB SERVER

A built-in web server listening on TCP/IP Port 80 (or at a user selected port) for requests to display the current environmental conditions.

High Accuracy:

Temperature 0.3°C from -3.0°C to +50°C

0.8°C from -40°C to +70°C

2.0°C from +71°C to +100°C

2.5% RH from 5% to 95% RH

Humidity

Non condensing

Wetness

1 – 100 scale of wetness

Power

1 to 10 outlets of 15 amps and 115 or 230 volts each, controlled individually for power on or power off.

Measurement Interval: 3 seconds

Units Selectable: °F, °C, K, R

Power supply: 9VDC @ 250mA

Exterior Dimensions: 10.8cm x 8.3cm x 2cm

WETNESS PROBE

Wetness rope, to detect the presence of liquids, typically water, in a location where wetness is undesirable. Probe is scaled from 1 to 100 to indicate degree of wetness. Standard lengths are 10 feet and 75 feet. Custom lengths are available. Probe is typically applied to floor locations or any selected location where the presence of liquid will cause safety issues, damage or some other form of hazard.

TEMPERATURE AND HUMIDITY PROBE

40°F or -40°C to 212°F or 100°C temperatures and RH from 5% to 95% non condensing. Probe length is 75', 22.86m of shielded twisted pair cable. Lengths up to 2500 feet or 762 meters are available.

Designed for use indoors to monitor the environment in rooms, buildings, warehouses or any location protected from the elements.

For more information, please contact op5 on +46 8 230225 or visit our web shop, www.op5.se.