

Description

The FDM-2004 Module is intended for use as a stand alone system or with D.D.C Controllers to provide alarms on the occurrence of water on the detector unit S1.

The FDM-2004 Module is constructed on a Epoxy Glass Laminate and housed in an industry standard 80mm DIN Rail Mounting. Generous 2.5mm² terminals are provided for the field interconnections.

The FDM-2004 Module is CE rated and is RoHS compliant.



Applications

Applications include the monitoring of AHU's UPS's and Computer rooms.

To provide a Volt Free Contact closure upon the occurrence of water.

To provide local LED indication of the detector state i.e. Flood, Fault and all OK.

Various detectors can be used to suit the application.

To provide isolation of the controller from the Harsh Plant Environment, protecting the Controller.

Features

A.C. detector excitation to increase reliability and eliminate oxidation.

Up to 10 detectors per module.

Relays are energised in normal operation to provide system integrity.

Detectors can be Tape, Cable or Probe.

LED status indication.

Available in 230V AC or 24V AC/DC Supply option.

Design for DIN rail mounting.

Rising cage Terminals.

Flame retardant Polyamide DIN mounting.



Specifications

Input Signal:	Up to 10 FDM-S1 Space probe type detectors. Cable or Immersion probe is also suitable.
Input Termination:	10K +/- 5% 250mW E.O.L. resistor.
Output Contacts	2A @ 230V AC Resistive. S.P.D.T. 10A @ 230V AC Resistive available on request. Output relays are energised in normal operation and will indicate fault upon power failure to the module.
Power Supply:	230V AC @ 2VA (+/-15%) 24V AC @ 80mA (+/-15%) available on request.
LED Indication:	Yellow ON = Normal operation, Flood and Fault contacts open. Red ON = Flood detected, Flood contacts closed. Amber and Yellow ON = Fault detected, Fault contacts closed.
Response Time:	<1 Sec after presence of water.
Electrical connections:	Rising cage terminals for 0,5 to 2,5mm ² cable.
Ambient Conditions:	-10 to 50°C 0 to 80% RH non-condensing.
Dimensions:	80 x 91 x 40mm.
Weight	108g
I.P. Rating:	IP00.
Mounting	Flame retardant green Polyamide 66 UL 94V0 moulding. To suit 35mm top hat din rail.

The FDM-S1 Sensor is a single point water detector supplied with a 10K End Of Line (EOL) terminating resistor. It is housed in a sturdy passivated steel enclosure suitable for floor and under floor use. The black polyamide feet are designed to detect water over 3mm in depth.



FDM-S1

See also the FDM-2004 Installation Sheet for wiring detail.

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Watchtower Trading reserves the right to update this product, revise and update this publication including information hereof without obligation to notify any person of such updates, revisions or changes.

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