

Liquid Detection Module (LDM1)



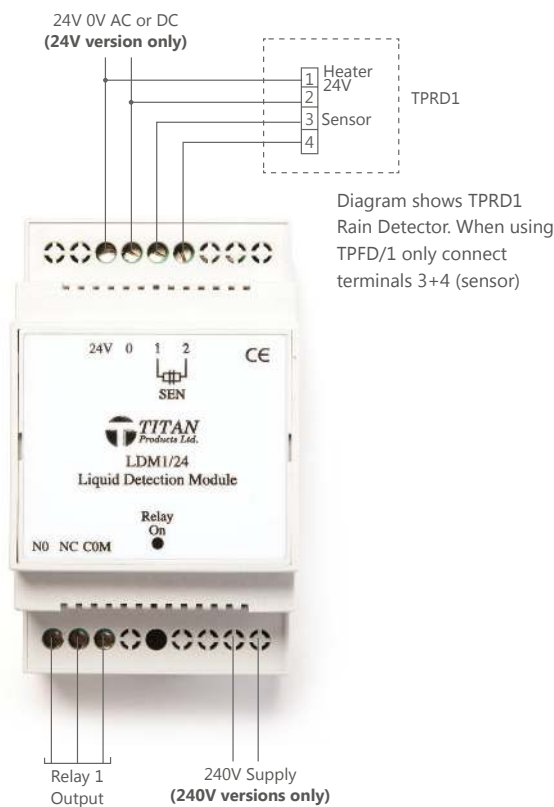
The LDM1 modules are designed to detect the presence of water or other conducting liquids. The modules incorporate a volt free changeover relay with LED status indication. The relay is energised when water/rain is detected after a preset delay time and remains energised for the duration of water being detected.

The LDM1 modules require a 24V or 240V supply respectively and can be used with the Titan Rain Detector TPRD1 or the Flood Detector TPFDF.

Features

- 24V or 240V supply
- Volt-free changeover relay
- Minimum fixed ON time of 1 minute
- Rain or flood detection probes
- LED indication of relay status
- DIN Rail mounting enclosure

Connections



Specification

Power Supply:	24V AC/DC +/-10% (IO/LDM1/24) 240V AC (IO/LDM1/240)
Inputs:	TPRD1 rain detector (4 wire) or TPFDF flood detector (2 wire)
Output:	1 x volt free changeover relay Rated 24V or 240V 5 amp max.
Power Consumption:	40mA max
Fixed Setting:	Delay ON time 6 seconds
Terminal:	1.0mm recommended 2.5mm max
LED Indication:	Relay ON
Operating Temperature:	0 to 50°C
Operating Humidity:	5-80% non-condensing
IP Rating: Rain Detector:	IP65
Enclosure:	IP20
Dimensions: LDM1:	90mm high, 55mm wide, 58mm deep
Rain Detector:	75mm high, 60mm wide, 36mm deep
Country of Origin:	UK
Product Codes:	LDM1/24 LDM1/240 TPRD1 (Rain Detector) TPFDF (Flood Detector)

TPRD1 & TPFDF/P

To work in conjunction with the Liquid Detection Module, Titan Products can provide sensors that operate with conductive liquids. The TPRD1 is specifically designed to detect the presence of rain. The TPRD1 incorporates a heater to evaporate any residual moisture after a rain fall which speeds up the dry detection rate. The TPFDF/P is specifically designed to detect the presence of conducting liquids at low level and with the two 50mm long stainless steel probes it is particularly useful in plant rooms or under false floors.



TPRD1 Rain Detector



TPFDF/P Flood Detector

Note: Please ensure that the TPRD1 is mounted at an angle of 30° (+/- 5°)

The sensor will remain active for 1min after a dry signal is received by the controller. This overrun eradicates false triggering of the controller.

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UK DESIGNED, DEVELOPED AND MANUFACTURED

Ref: SKU 65

