

SERIES 1004WD WATER DETECTION PANELS



FEATURES

- * *Monitored alarm Outputs*
- * *Alarm auxiliary contacts*
- * *Fault auxiliary contact*
- * *Alarm auxiliary isolate switch*
- * *Zone Repeat Outputs*
- * *Open & Short circuit line monitoring*
- * *One man test facility*
- * *Internal Power Supply with space for Standby SLA Batteries*
- * *Internal Diagnostic fault LED's*
- * *Special Colours & finishes*

GENERAL DESCRIPTION

The Series 1000WD range of Water Detection control panels are designed to detect Water Leakage either by a Continuous water detection Cable or a Point Detection probe. The panels are special designed for Air conditioning , Sprinkler systems , heating systems & Water cooled processors used in today's Electrical Communication and Computer Systems/Networks .

Connection to the control is made to either the point/cable detection via a simple two core leader cable . Upon Detection The appropriate Zone LED's will illuminate , the internal alarm will sound and the alarm auxiliary contacts will Operate. Disconnection of the Probes or a break in the water detection cable is indicated by the appropriate Zone Fault LED, an internal fault buzzer will also sound. Each Zone will require a Connection Box and a EOL plug .

Control Panels : available in a standard range from 2 to 18 zones each with an internal power supply. On panels Up to 12 zones a 1.25 amp is fitted and up to 18 zones a 3 amp. The panel has space for up to 7 amp/hr SLA batteries . The panels are housed in an attractive metal enclosure with all user controls and indications located on the Front fascia Together with clear operating instructions. A Bezel can be fitted to the back box to enable the control panel to be flush mounted . Special colours and finishes are available to special order .

Water Detection Cable : Available in either 5 or 10 metre lengths . The WD Cable is a flexible cable which can Continuously monitor a large area . When a small amount of water is absorbed by capillary action thus triggering an alarm . The Cable will dry out in around 20—30 minutes for use again . Each cable comes with Plug/Socket at each end thus allowing longer runs simply by plugging lengths of the WD cable together .

Water Detection Probe : This adjustable height probe is simply screwed to the floor and adjusted to give required Detection level .A alarm red LED is mounted on the top of the probe . The probe is connected to the control panel via a Flexible cable which plugs into the probe . A bracket is available for mounting onto the side of a AC unit drip tray .

AVAILABLE OPTIONS

- * *Flush Mounting Bezel*
- * *Company Name and Logo*
- * *Zone Identification Legends*
- * *Special colours & finishes*

TECHNICAL SPECIFICATION

CONTROL PANELS

Mains Input	—	240v AC 50/60 Hz (other voltages to order)
Nominal panel voltage	—	24v DC
Supply rating / Type	—	1.25 or 3 amp , Constant voltage with current & thermal shutdown
Auxiliary 24v DC Output	—	500 mAmp , fused and monitored
Standby current	—	5 mA per zone , 35 mA Common functions
Alarm current	—	50 mA per zone (in alarm) , 120 mA Common functions
Zone End of Line	—	5K6 1/2 watt
Zone monitoring	—	Both open and short circuit with internal LED's per zone
Sounder monitoring	—	Reverse polarity type , fully monitored for open and short circuit With internal LED's : End of line resistors 5K6 1/2 watt
Alarm auxiliary	—	2 sets CHO rated at 3 Amps 50v DC
Maximum Alarm Load	—	2.75 amps , shared between 2 circuits each fused @ 3.15 amps
Fault auxiliary	—	1 set CHO rated at 1 Amp 50v DC
Zone Alarm repeat	—	Solid state output , switched positive 100 ma 24v DC
Common fault repeat	—	Solid state output , switched positive 100 mA 24v DC
Remote control inputs	—	Alarm Silence , Reset and Alarm Sound
Construction	—	18 / 16 gauge sheet steel , Epoxy powder coated semi-gloss Grey White with hinged lockable door and Blue screen printed lettering
Cable entry	—	Top entry with 20 mm diameter knockouts
Standby battery space	—	Will accept up to 2 off 12v 12 amp/hr sealed lead acid

WATER DETECTION CABLE

Length	—	5 or 10 metres with Plug/Socket each end
Maximum recommended length per zone	—	50 metres
Recommended pitch between cables	—	2 metres

WATER DETECTION PROBE

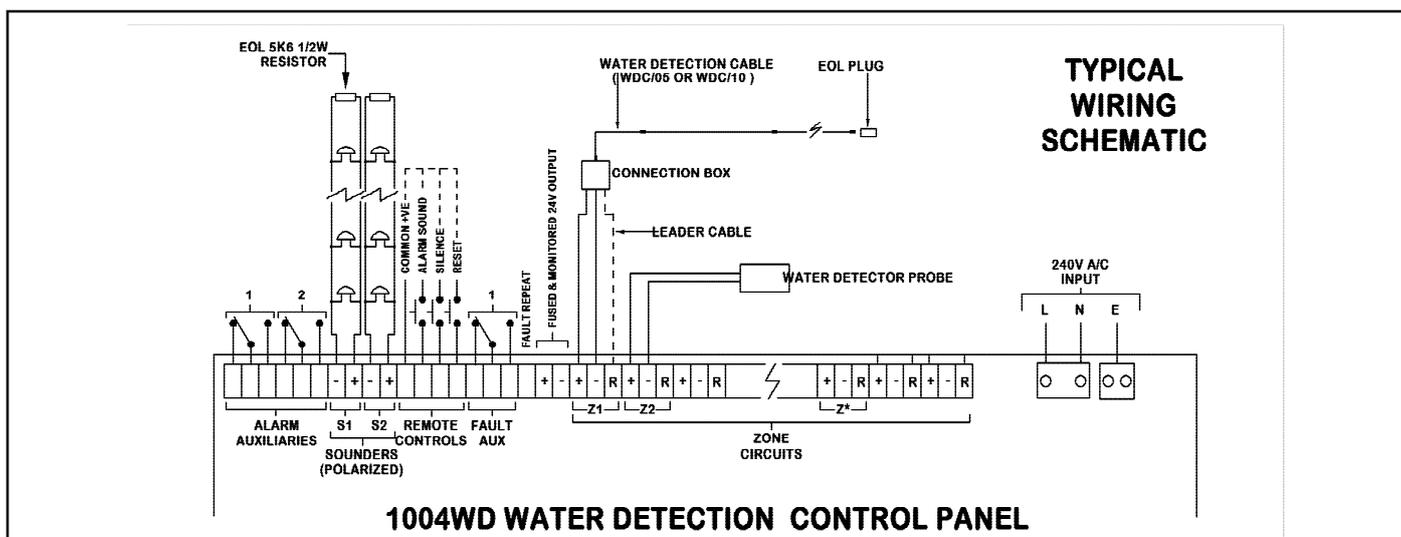
Maximum recommended coverage	—	20 sq. metres per detector
Maximum detectors per Zone	—	20
Sensor Height above floor	—	0 mm - 15mm

ENCLOSURE SIZE AND WEIGHT (less standby batteries)

NUMBER OF ZONES	WIDTH	HEIGHT	DEPTH	ENCLOSURE REF	WEIGHT
Up to 12 Zones	405 mm	300 mm	125 mm	00	7.0 Kg
Up to 18 Zones	500 mm	400 mm	150 mm	01	10.0 Kg

ORDER CODE DETAILS

No. of Zones / 1000/WD (i.e. 6/1000/WD - 6 water detection inputs)



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