

SERIES 600B/WD WATER DETECTION PANEL



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 600WD Water Detection control panel is designed to detect Water Leakage either by a Continuous water detection Cable or a Point Detection probe. The panel is 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 Panel: available as a standard 2 zone with an internal power supply. A internal 1.0 amp 24v power Supply is fitted. The panel has space for up to 7 amp/hr SLA batteries .

The panel is 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	——	1.00 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	——	0.75 amps , shared between 2 circuits each fused @ 1.00 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 Sound (non latching N/O)
Construction	——	18 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 7 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

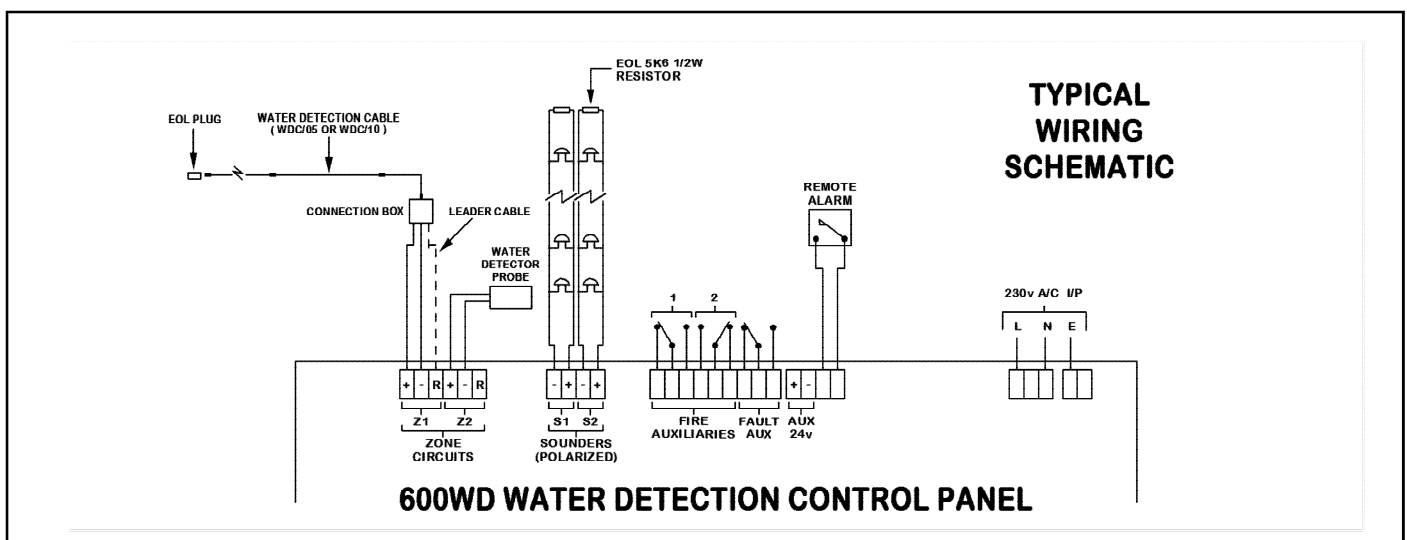
Maximum recommended coverage	——	20 sq. metres per detector
Maximum detectors per Zone	——	20
Sensor Height above floor	——	0 mm - 15mm

ENCLOSURE SIZE AND WEIGHT (less standby batteries)

NUMBER OF ZONES	WIDTH	HEIGHT	DEPTH	ENCLOSURE REF	WEIGHT
2 Zones	320 mm	235 mm	75 mm	600	6.0 Kg

ORDER CODE DETAILS

2 / 600B/WD - 2 water input detection panel



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