

## Water Leak Detection System

### **SYNOPSIS JE-3523**

#### General Description:-

The water leak system comprises of a Main zone water leak panel, interface modules, sensor cable and alarm sounders. The water leak panel has potential free relay contacts which extends alarms to BMS.

The Water leak detection sensor cable typically used to detect water leaks in critical rooms to monitor leakage and optionally extend alarm in the BMS.

The Cable draws excitation signal from a start of the line module. The module serves as an interface between the Water leak detection panel and the Sensor Cable.

The Start of Line Interface Module is locally placed in the False Flooring, and shall be connected to the WLD Panel through standard Cu- Ar Cable. The panel activates common sounder.

Testing procedure involves physical application of a wet cloth to the cable, to test the relay operation. The Panel sounds the Alarms, and optionally notifies the BMS system.



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## Salient Features :-

- The panel equipped with LCD Display can monitor 20 Zones.
- Input to water leak cable is an isolated Ac supply which ensures the cable will not be subject to oxidation and erosion over time avoiding the degradations problems associated with DC system.
- The panel is equipped with soft membrane keypad for navigation.
- Zone wise potential free relay output is provided for BMS.
- Compact and elegant looks.

## Technical Specifications:-

- Supply Voltage : 230V AC – 50Hz +/- 10 %
- LCD Display : Backlit
- Output to WLD Cable : Isolated A.C. Supply 12V
- Relay Type Leak : Zone wise and one common
- SPDT single contact : NO-NC
- Internal Sounder : Buzzer to indicate Leak
- External sounder : Hooter 24VDC
- Fuse : 1 Amp
- Current consumption standby :0.4Amp
- Response Time < 3 Sec
- Alarm State :0.8 Amp
- Working temperature : 10 to 50 \*C
- Construction : Metal Enclosure Wall mounted
- Weight : 3 Kgs Approx.
- Size ( HXWXD) : 270x360x115 mm