

Water Leak Detection System

SYNOPSIS JE-1141

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. It 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 :-

- Given an isolated supply AC supply to water leak cable to avoid oxidation or erosion of cables over a period of time.
- The module can be connected to water leak Detection Annunciation Panel.
- The module provides potential free relay output.
- The module comes in ABS enclosure.
- The module has 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
- 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 : 1 Kg Approx.
- Size (HXWXD) : 120x200x75 mm