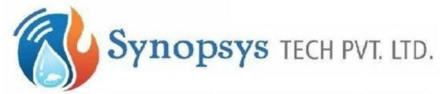


Water Leak Detection System



SYNOPSIS SY-9S

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 WLD Panel is be capable of supplying power to the interface modules, and serves as the annunciation of alarms through LCD fascia. 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 :-

- Zone-wise addressing facility has been provided in the settings which enables user to name the zones as per the site specifications.
- Zones can be isolated as per the client requirements.
- Cable break condition is implemented in the system which will give an alarm for the zone whose cable has been damaged or removed
- 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 degradation 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.
- Modbus Output.
- In-built battery charger circuit with reverse polarity indication for 24V 4.5AH battery.

Technical Specifications:-

- | | |
|-------------------------------|--------------------------------|
| • Supply Voltage | : 230V AC – 50Hz +/- 10 % |
| • LCD Display | : 20 X 4 Backlit Display |
| • Output to WLD Cable | : Isolated A.C. Supply 12V |
| • Relay Type Leak | : Zone wise and one common |
| • SPDT single contact | : NO-NC |
| • Audible | : Sounder for Alarm |
| • External Hooter | : 24VDC |
| • Fuse | : 2 Amp |
| • Current consumption standby | : 0.4 Amp |
| • Response Time | : < 3 Sec |
| • Alarm State | : 0.8 Amp |
| • Working temperature | : 10 to 50 °C |
| • Construction | : Metal Enclosure Wall mounted |

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