

Water Leak Detection System



SYNOPSIS MD-450

General Description:-

This water leak detection panel (SY-3618) acts as a master in the system. The interface modules (MD-450) which act as a slave, communicate with the master using Rs-485. The Master therein uses Modbus to communicate with the Pc-side software of the client. The sensor cables are typically used to detect the water leak in critical rooms, to monitor leakage and indicate it on the Slave. The Slave will thereby extend the command to the Master and give an alarm.

The Interface Modules are locally placed in the rooms, and shall be connected to the Master Panel through standard Cable. The panel activates common sounder. Testing procedure involves the cable to be in contact with water at least 2 inches to give correct reading and to test the relay operation. The Panel sounds the Alarms, and notifies the BMS system.



Synopsys Tech Pvt. Ltd.

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Salient Features:-

- Operates on 230V 50 HZ AC
- Has potential free output and LED indication.
- Displays distance to leak location in meters.
- Indicates cable break condition.
- Maximum length of linear leak detection cable is 150meters.
- Can detect leak anywhere along the entire cable length.
- Built in audio sounder and common hooter output.
- Easy to install and operate.
- Self-restoring.
- Soft membrane switches.
- Communicates with the Master using RS485.

Technical Specifications:-

• Supply Voltage	:	230V AC – 50Hz +/- 10 %
• LCD Display	:	Backlit
• Max. Cable length	:	150 meters
• Relay Type Leak	:	Common Relay output
• Audible	:	Sounder for Alarm
• External Hooter	:	24VDC
• Fuse	:	2 Amp
• Current consumption standby	:	0.4Amp
• Alarm State	:	1 Amp
• Working temperature	:	10 to 50 *C
• Construction	:	Metal Enclosure Wall mounted
• Size (HXWXD)	:	240x240x100 mm

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