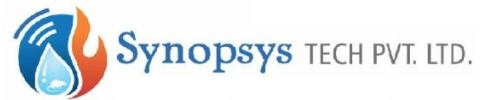


# Water Leak Detection System



## **SYNOPSIS** SY-3618

### 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.



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### **Salient Features :-**

The main Water Leak Detection Panel shall operate on 230V AC supply with battery backup. It will provide supervision of interface modules. The features of the Synopsys WLD panel are as follows:

- Touch-screen Display to indicate the module number and the distance to leak location in meters.
- There is a provision for 100 events logging in the system.
- The panel communicates with the interfacing modules by using RS485.
- The system is equipped with a built-in audible sounder and a common hooter.
- A common relay output is given along with the common alarm relay out.
- The master communicates the PC-side software of the user using Modbus.

### **Technical Specifications:-**

- Supply Voltage : 230V AC – 50Hz +/- 10 %
- LCD Display : Backlit
- Max Modules to be connected : 32
- Event log : 100
- Audible : Sounder for alarm and fault
- External hooter output : 24V DC
- Fuse : 2Amp
- Working Temp. : 0 to 50Degree C
- Construction : M.S powder coated
- Weight : 4 kgs approx.
- Size(H X W X D) : 265 x 360 x 115 mm

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