

Floodline 128 Multi-Zone System



The 128 Multi-Zone System operates a network of leak detection cables and sensors up to a total of 128 zones. A zone can be a single point or many metres of detection cable and the whole network is continuously monitored for leaks and continuity. Zones are electrically isolated from each other and individually displayed so the system can accept and report any number of simultaneous or consecutive zone alarms. An alarm in one zone has no effect on the normal monitoring of its neighbours or the rest of the system.

The system consists of a control unit with full text display and a base unit for connection of the sensor network. The control unit provides clear and easy to understand status and alarm information.

Output relays are provided for connection to remote alarm, BMS etc. BMS connection can also be provided by RS232/RS485 communication. Leak detection is shown clearly as LEAK DETECTED. Sensor or cable damage or failure is shown as SHORT CIRCUIT or OPEN CIRCUIT.

Function:

Water/Liquid detection, Temperature, Humidity and Gas Detection

Zone Capacity:

32, 64, 96, 128

Power:

110/230 VAC 50/60Hz mains operated 160 Watts (max), 12 VDC internal + battery backup

Construction:

Base and control unit powder coated steel enclosure

Dimensions:

Base Unit: H555 x W490 x D160mm
Control Unit: H155 x W185 x D62mm

Fixing:

Wall/surface mounted (special mounting arrangements to order)

Monitoring:

LEAK - continuous water/liquid detection - each zone reports separately

SHORT/OPEN CIRCUIT - sensor or leader cable damage, failure or disconnection

Display (control unit) Disconnected - connection cable between control unit and base unit damaged or disconnected

Display (control unit) Communication Failure - control unit and base unit damaged or disconnected

Module Communication Failure - Internal communication between base unit motherboard and 32 zone module/comms module failure

Remote Disconnected - connection cable between base unit and optional Floodline Remote Alarm damaged or disconnected

Alarm Indicators:

Base Unit: Display (control unit) Disconnected, Display (control unit) Comms Failed
Control Unit: Flashing LED for alarm active plus 20x4 LCD for text description of alarms

Status Indicators:

Base Unit: Power On
Control Unit: 20x4 LCD gives text description of system status plus flashing LED for any alarm

Control:

Base Unit: None
Control Unit: Mute (silence alarm), security keyswitch (to access menu system), menu, up, down and enter (to operate menu and scroll through alarms)

Output:

1. Leak in any zone - SPCO Relay (5A @ 230VAC)
2. System Fault - open, short circuit any zone - SPCO Relay (5A @ 230VAC)
3. Mains Fail - SPCO Relay (5A @ 230VAC)
4. Complete Power Failure - SPCO Relay (5A @ 230VAC)
5. Self Test - Low battery, comms failure, remote/display disconnected - SPCO Relay (5A @ 230VAC)
6. Leak in each individual zone - SPCO Relay

Modbus:

The system provides RS232/RS485 in a raw, bespoke format but with the optional CM-180-20 module we are able to output standard modbus protocol.



HUDDERSFIELD - FM512048

E&OE Rev 1.0

