



The 8-Zone Flood Alarm is a radio transmitter connected to up to eight highly responsive flood detection cables. These cables can be run along key areas enabling rapid notification of water leakage before serious damage can be done.

Each flood cable consists of eight cores wrapped around a central strain relief plastic core to provide some rigidity. Of the eight cores, two are the conductors. These are uninsulated copper so that if the cable is wetted, they short and provide an alarm signal. The cable is sheathed in a black plastic overbraid to keep the cores in place and to prevent the conductors shorting on any metal surfaces the cable may run over.

The flood cable terminates in a connection box which is then wired into the transmitter body using normal 2-core signal cable. This allows the transmitter to be located in a good radio position without running the specialist cable down walls or along floors which do not require flood monitoring. The signal cables are connected to the transmitter using screw terminals. The zones are added to the Radiolog software as 4 digital sensors.

When any flood cable is shorted by water, the transmitter unit immediately sends a change of state signal six times to the receiving equipment. This multiple transmission is to ensure the signal is received straight away. On the Radiolog software, the Alarm will immediately appear on the live data view. The transmitter then checks the state of the Flood cable and retransmits its current state back to the software.

Optionally, the Radiolog system can also be fitted with an alarm relay which triggers an autodialler, for out of hours instant notification via phone message or SMS, or a software add-in can send email/SMS notifications.

The obvious inherent advantages of the Flood Alarm are low installation costs with a minimal wiring requirement. Each sensor is powered by its own internal battery, which lasts 18 months and is easily replaced. A "battery low" indication is displayed on the software, warning of the requirement for battery change prior to complete power loss. A failure in transmission is also flagged by the software.

The 8-Zone Flood Alarm comprises an rl8000 radio transmitter body fitted with eight input channels, up to 8 x 5m flood cables, plus a matching number of 5m connecting cables and flood cable connection boxes. Longer flood cables are available – simply specify the length required when asking for a quote.

8-Zone Flood Alarm

Product Code RL8008-xxx.xx*
Series Flood Alarm
 (Not available in US**)

Typical Applications

- Monitoring in:
- ° Flood detection
 - ° Condensation detection
 - ° Fridge/freezer failure detection

Instrument

Dimensions: 216 x 117x 48 mm
Weight: 780 grams
Power Supply: 2 volts DC
Case Material(s): Brushed stainless steel
Operating Humidity Range: 0...90% RH, non-condensing
Operating Temperature Range: 10°C...30°C
 (Temperature compensated range)
Input Channels: 8

Radio

*Radio Frequency: 434.075MHz
 433.920MHz**
 433.875 - 434.650MHz**
 in 25KHz increments
Radio Power: 10 mW
Radio Range: 3 km over open ground

Accessories

Cable 5m length (standard) or as required
 Nominal 8mm diameter

