

## INTRODUCTION

The RTcom™-Flood Transmitter is an adaptation of our Integrated Sensor Technology Transmitters where the radio transmitter, controller, data interface, transducer and antenna are all housed in a single IP68 enclosure to give a cost effective alternative to using cables over even the shortest of distances.

Available on 434MHz, 869MHz and 914MHz the units can be used globally. Installation is simple, taking just a few seconds. Simply mount the transmitter with its probes above the critical high water / sewage point and the transmitter will transmit the change of state whenever its probes are submerged. At all other times it will send a secure health message giving reassurance that the unit is in working order.

Operating as frequently as once ever minute, a life exceeding 10-years can be expected from the single internal Lithium cell. Transmissions are coded using the robust RTcom™ protocol which is ideal for covering distances of up to 200m open line of site. Greater distances can be achieved using a repeater.

Robust in the extreme, the unit does not need any other water or wether protection. It can operate at temperatures as low as -45C and in high tropical ambients above 80C. The 100% potted construction of the transmitter protects it from submersion and driving rain.



## Out Door Operation

There is nothing more harsh than a Northern European Climate. To tackle the constant damp etc all units are fully encapsulated to a level exceeding IP68.

These transmitters are available to special order with external probes that can be custom shaped to suit a particular application. Where rag/leaf contamination is possible a Perforated protective tube is recommended to prevent the sensors becoming contaminated and giving false alarms in rain etc.

## Specification

- Available with 1 or 2 level probes
- 10-year internal battery
- UHF secure WBFM transmission
- IP68 + Sealed construction
- 100% washable PP design
- Integrated antenna, sensor and CPU
- May be mounted using cable ties
- Robust construction
- 434MHz and 869MHz to EN-300-220-3
- 914.5MHz to FCC Part 15.247
- Up to 200m operating range
- Compatible with the RTcom-R receiver and Radio Data Loggers

## Order Codes

- Single level RTcom-Flood TX 1L
- Dual level RTcom-Flood TX 2L
- 434, 869 or 914MHz + case colour

## Accessories

- Stilling Tube
- Perforated anti-rag tube
- Anti-snow / Ice cowl



GSM & GPRS



Radio Telemetry



EEx Ila RTU's



Data Concentrator



Low cost AMR



Covert Collectors

