FloodAlert

Features & Benefits

- Input multiple flood sensors
- Transmits data to FloodAlert Website
- Activates signs
- Alerts managers via SMS or E-mail
- Easy to maintain & calibrate
- Optional IP Cameras
- Mains or Solar powered
- Landline, radio, GSM, GPRS Coms
- Manage data online

Application

The FloodAlert system is a complete flood management solution for roads or areas prone to flooding. The sensor is installed at the low point of the site and actively monitors water levels as they rise.

The system has the ability to activate VMS signs to warn drivers, initiate pre-planned diversion routes or close the road. It will also send SMS or E-mails to managers, local residents or anyone on a local distribution list to warn them of the rising waters and site status. With added IP Cameras, road managers can monitor flood events and manage responses from any internet enabled device.

Sensors Range

FloodAlert has a range of sensor types that will suit almost any flood prone site. Choose from one of three different sensors and setups that can be customised to suit the unique environment of different site constraints.

Communications

A range of communication media may be used to transfer flood data information from the system, including PSTN modem, GSM, GPRS, 3G, radio or packet-radio. PSTN modem and GSM/GPRS, 3G modems will be installed in the main data logger electronics.

Web Based Management

Findlay Irvine provides a FloodAlert website that allows Engineers to view the data being collected by the sensors. This can be displayed on either a closed, desktop-based system placed within the decision making perimeter and/or via an online secure bureau portal that can be accessed by any internet-enabled device. Multiple sites can be managed through the system using a map based display to easily check site status. It may also be possible to display data from other flood management sources so that users can manage all the pertinent flood data available from one point. Data is stored, managed and viewed from the same portal which offers a complete flood management system.

Technical Specification

FloodAlert

Power requirements:	Mains or Solar (optional Solar Panel extra)
	(Sensor configuration dependant)
Mains Isolator Switch:	Yes
Heater:	Anti-condensation (only on mains powered systems
Mount:	All electronics in IP rated sealed, pole mounted casings
Communications:	Modem (PTSN, GSM, GPRS, 3G), Fibre Optic, Radio
	WMO BUFR, DATEX II data format (TR2213)
Programmable:	Software is remotely upgradeable
Memory:	24 Local Archive
Test Port:	Local configuration & diagnosis
Float Switches:	Multiple float switches at configurable heights for an on/off warning system
Incremental Sensors:	Sensors at 3 pre-set increments at a set height which show the water rising
Pressure Switch:	Shows water rising and exact depth of water
IP Cameras:	Dual or Single high quality IP Cameras

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