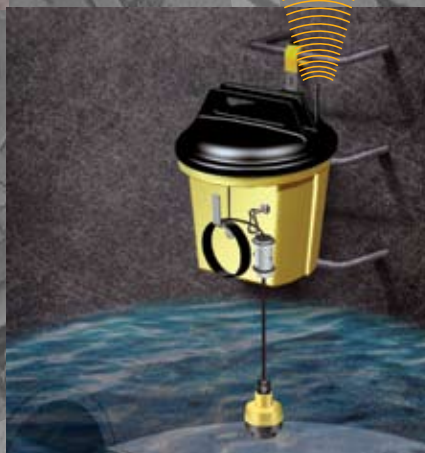
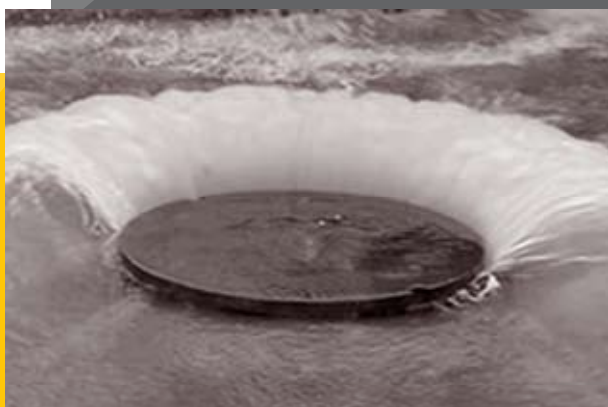


1ST

RESPONSE[®]

SANITARY SEWER OVERFLOW
PREVENTION MONITORS

Cellular-Based Sanitary Sewer
Overflow and Residential Back-Up
Prevention Monitors

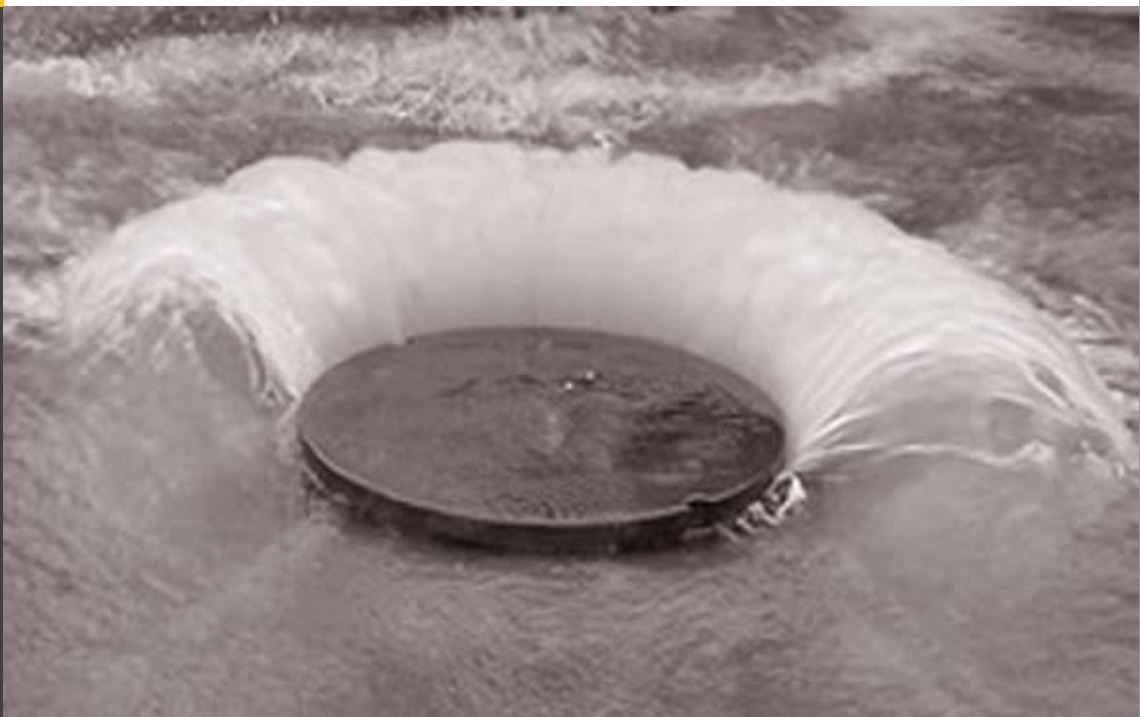


eastech

1ST

RESPONSE[®]

SEWER OVERFLOW PREVENTION MONITORS



**Proactively Recognizes
Potential SSO Events**

**Provides Early-Warning
Cellular Alerts**

**Installs Without the
Requirement for
Confined Space Entry**

**Up and Running
in 5 Minutes**

1st Response is a fully-integrated, battery powered Sanitary Sewer Overflow Monitor capable of alerting municipal personnel within seconds of an impending overflow condition.

Sanitary Sewer Overflows (SSO's) are releases of untreated sewage into the environment and have always been illegal under the Clean Water Act. These sewage spills can cause health hazards, damage homes and businesses and threaten the environment and local waterways. Each year, there are approximately 50,000 sanitary sewer overflows causing millions of gallons of wastewater to back up into private residences. In reality, funding to maintain and improve wastewater collection systems has decreased while the demand placed upon these aging systems has increased.

Since billions of dollars are not available for capital improvement of our wastewater infrastructure, Eastech has engineered an alternative solution that is not only cost- effective but also extremely simple to implement.

With 1st Response, municipal technicians are now capable of responding proactively by quickly dispatching field crews in order to clear a problem before a more serious situation develops. This immediacy in response can be critically important when dealing with potential fines and lawsuits emanating from residential back-ups and neighborhood toxic spills.

SEWER OVERFLOW PREVENTION MONITORS



EARLY-WARNING CELULAR ALERTS

A float switch combined with cellular technology is installed within the suspect manhole, and upon wastewater levels reaching a user-defined height, a text message is dispatched alerting field crews of the possibility of a surcharge event. To confirm that an alert was received, a user response must be activated, otherwise the alert will be resent on a continual basis.



ALERT!
OVERFLOW CONDITION
MANHOLE #CF80029

NEMA 4, 4X ENCLOSURE

All electronics are integrated within a corrosion resistant Nema 4,4X enclosure that is submersible rated to IP-67 standards.

FIELD-READY

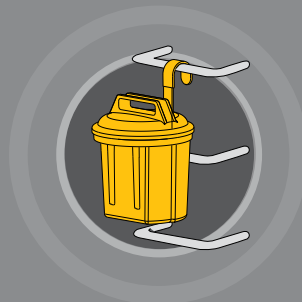
The 1st Response securely mounts to the top rung of the manhole ladder without the need for confined space entry. Installation is accomplished within 5 minutes.

ANALYSIS REPORTS

Software is provided that allows for quick graphical analysis of overflow alerts pertaining to each site.

5 MINUTE INSTALLATION

Electronics are housed within a corrosion resistant Nema 4,4X submersible enclosure that quickly and securely mounts to the top rung of a manhole ladder.



NON-CONFINED SPACE ENTRY

Installation of every 1st Response Sewer Overflow Monitor is accomplished without the requirement for confined space entry; thereby eliminating major cost and safety concerns.



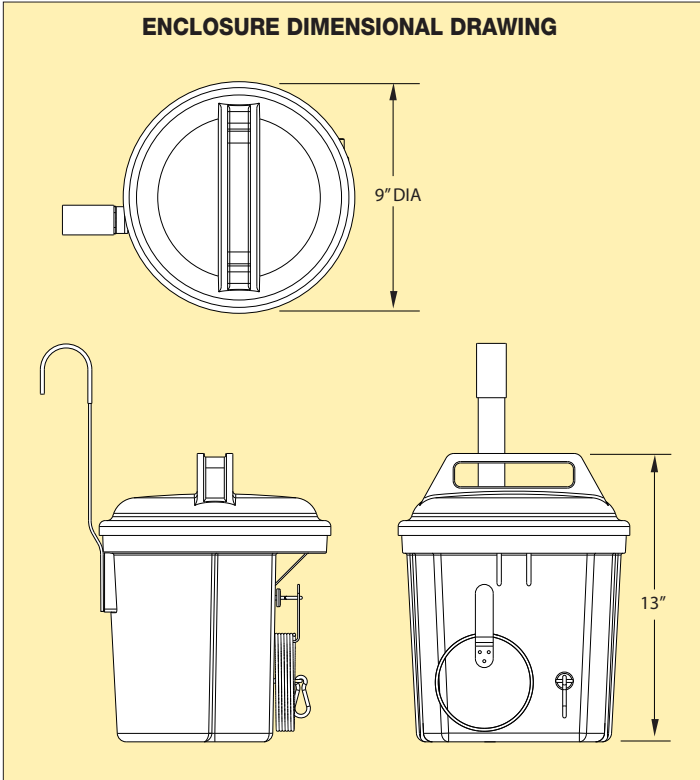
ZERO MAINTENANCE

A fully encapsulated float switch, specifically designed for applications within the wastewater environment, remains free from the everyday concerns of fouling and corrosion.



TECHNICAL SPECIFICATIONS

ENCLOSURE DIMENSIONAL DRAWING



ENCLOSURE

Description:	Submersible IP67/NEMA 4, 4X
Material of Construction:	Zytel/Stainless Steel
Weight:	12lb.
Temperature:	-4 to 158F (-20 to 70C)

BATTERY

Description:	6 Volt Alkaline Lantern Battery (Energizer EVR-521)
Capacity:	52,000 mAh
Battery Life:	3 years (depending upon volume of alerts)
Low Battery Alert:	Standard

ANTENNA

Standard:	Internally integrated cellular
Optional:	External "in-road" with burial capability

FLOAT SWITCH

Description:	Submersible IP67/NEMA 4, 4X
Cable Length:	15 ft. Standard; 30 ft. Optional

CELLULAR COMMUNICATIONS

Description:	All Cellular Networks
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TEXT ALERTS

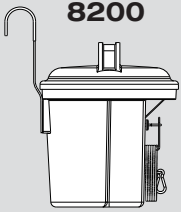
Standard:	3 Cellular Devices
Optional:	As Required

GRAPHICAL ALARM ANALYSIS SOFTWARE

Standard

SUGGESTED SPECIFICATION: A microprocessor-based Sanitary Sewer Overflow Prevention Monitor shall be installed at the location on the plans in accordance with the manufacturers recommendation. A field-ready corrosion resistant housing meeting IP67/NEMA 4,4X standards with cellular communications capability shall be pre-programmed for the text service provider of municipal choice. Unit must be designed for maintenance-free operation and non-confined space entry. Unit will be provided with a field replaceable 6-Volt Alkaline Lantern Battery and have the capability of transmitting text alerts to a minimum of three user-designated cell phones. Unit shall have low battery alert and be provided with graphical alarm analysis software. Unit shall be Model 1st Response 8200 as manufactured by Eastech Flow Controls, Upper Saddle River, NJ or equal.

ORDERING GUIDE

1ST RESPONSE	SENSOR CABLE	ANTENNA	CELLULAR ALERT
 8200	15 ft. (Standard) 30 ft. W	Integrated (Standard) "In-Road" Burial B	Please specify cellular phone numbers to be alerted

FACTORY

918-664-1212
Fax: 918-664-8494
4250 S. 76th E. Ave.
Tulsa, OK 74145

CORPORATE SALES

201-818-0800
800-226-3569
Fax: 201-818-0811
20 Industrial Ave.
Upper Saddle River, NJ 07458

www.eastechflow.com

email: info@eastechflow.com

