

# sentry

## Custom Alarm Panels for E/One Low Pressure Sewer Systems



The World's Best Low Pressure  
Sewer System Sets a New Standard  
in Reliability and Convenience

**e one**  
SEWER SYSTEMS



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The basic Sentry panel provides features essential to any installation:

1. Circuit breakers for pump power and alarm circuits
2. Audible high level alarm indication
3. Visual high level alarm indication
4. High level alarm silence switch
5. Manual Run switch
6. Redundant Start function with high level alarm
7. Run indicator to show when pump is operating

The Sentry line of alarm panels is custom designed for use with E/One grinder pump systems. **The E/One Sentry™ alarm panels provide the latest technology and the greatest flexibility** in customizing features to satisfy individual needs. The new Sentry alarm panels **can be configured** to provide functions ranging from basic alarm indication to advanced warning of pending service requirements. In between, **there are numerous features available** including an event counter; run-time meter; programmable automatic dialer; service disconnect capability; and remote alarm indication.

Like the E/One grinder pump station, all Sentry panels are UL and CSA listed and meet all applicable NEC and NFPA codes and standards. Furthermore, all Sentry alarm panels are housed in **NEMA 4X lockable enclosures**, suitable for mounting on a wall or a post.

## Build the alarm panel you want, with the features you need.

E/One's go-anywhere grinder pump is at the heart of the industry's **most reliable system**, with the lowest life-cycle costs for the owner.



# Sentry provides advance warning

of pending service needs by monitoring major operating conditions and providing a Trouble indication when these conditions fall outside of normal ranges although the grinder pump station may continue to operate.

## The PreSTAT feature provides monitoring of:

- AC input voltage – if input voltage falls below 88% or above 112% of normal line voltage a Trouble indication is provided
- Amperage – if amperage exceeds preset limits a Trouble indication is provided
- Pump run-time – if the pump operates for extended periods (adjustable) a Trouble indication is provided

## The Auto dialer is set-up on site and can:

- Be programmed to call 2 different numbers
- Recognize when the line is in use and will try again until successful
- Dial-out as a result of either a Trouble condition, Alarm condition, or both
- Be programmed to provide a voice message or tone signal.



The E/One Remote Sentry display module provides visual and audible indication when the water level inside the grinder pump tank reaches a predetermined "high" level during normal operation, or in the event of a power outage (with optional contacts in panel). It is ideally suited for installations where the outdoor alarm panel location is obstructed from view, or where an Indoor Unit (IDU) installation is isolated in a utility room.

## The Remote Sentry includes:

- A low profile attractive case (5.4"W x 3.69"H x 1.25"D)
- Lithium battery operated
- Audible alarm (70dB)
- Push-to-silence audible alarm switch
- Push-to-test visual and audible alarm



## The following features are available to maximize reliability and convenience:



- 1 Visual Alarm Indicator
- 2 Audible Alarm
- 3 Alarm Silence Switch
- 4 GFCI Receptacle  
(2) 120-volt, 15 Amp GFCI  
receptacles
- 5 Main Service Disconnect  
Breaker
- 6 Interface Easy-Access  
Terminal Strips
- 7 Display Panel Operating  
Indicators
  - Ready (AC Power)  
Indicator
  - Pump Running Indicator
  - Trouble Indicator
  - High Level Alarm  
Indicator
- 8 LCD Display
  - Manual Run Switch/  
Enter Switch
  - Scroll Switch
- 9 Diagnostic Mode Switch  
(For system setup/service)
  - Diagnostic Mode  
Indicators
  - Hours/Cycles
  - Pump Performance
  - Initialize System
  - Run Limit
  - Alarm Delay
  - Power Delay
- 10 Auto Dialer
  - Setup Record/Play  
outgoing message  
function
- 11 Phone Line connection
- 12 Generator Receptacle  
Auto Transfer Switch
- 13 Auto Transfer Switch  
(AC Mains to Portable  
Generator)
- 14 Brown Out Protection/  
Power Delay Contactor

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**SEWER SYSTEMS**

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