

e/one  
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



# e/one sentry



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 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; service disconnect capability; and remote alarm indication.

**The basic E/One Sentry panel provides features essential to any installation:**

- A. Circuit breakers for pump power and alarm circuits
- B. Audible high level alarm indication
- C. Visual high level alarm indication
- D. High level alarm silence switch
- E. Manual Run switch
- F. Redundant "Start" function with high level alarm
- G. Run indicator to show when pump is operating

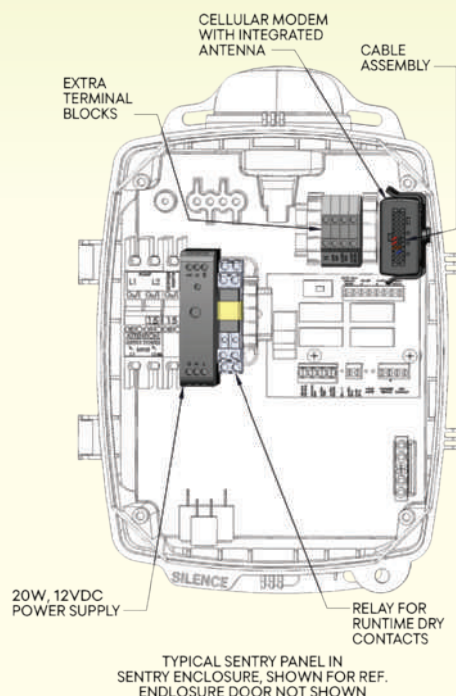
Like the E/One grinder pump station, all panels are UL listed and most are CSA certified and meet all applicable NEC and NFPA codes and standards. Furthermore, all E/One Sentry alarm panels are housed in **NEMA 4X lockable enclosures**, suitable for mounting on a wall or a post.

## E/ONE SENTRY ADVISOR

E/One Sentry Advisor monitors pump performance and records every start, run time duration and stop of each grinder pump on the system. Alarm conditions can be sent automatically to service personnel.

The online mapping feature shows the location of each grinder pump in the system, whether there are a few stations or hundreds.

Use reports to review system performance and spot data trends such as frequent alarms or unusually long run times.



**ABOVE:** Pump performance data can be accessed from any web-enabled device. Generate reports to determine how your system is performing and identify potential trouble spots.



# Now Available in Two Upgrades

## E/ONE SENTRY PROTECT

The E/One Sentry Protect panel provides important protection from external conditions that could otherwise prove damaging to the E/One grinder pump station.

Adding the Protect option to the E/One Sentry panel provides a Trouble indication and shuts down the pump/core temporarily in the event of an unacceptable operating condition.

The pump/core will automatically return to Normal operation when the condition is resolved. The Protect feature provides monitoring of:

- Brownout conditions with the electrical power supply
- System over-pressure condition such as with a closed valve
- Run-dry operation of the pump/core



## E/ONE SENTRY PROTECT PLUS

Taking it to the next level, the E/One Sentry Protect Plus includes the benefits of the Protect option as well as a diagnostics package that 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. Depending upon the severity of the abnormal condition, the grinder pump station may continue to operate. The Protect Plus features include:

- Advanced warning of pending service needs
- Data logging
- User-selectable options

## 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 hard-wired version of *Extreme* core and 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
- Audible alarm (70dB)
- Push-to-silence audible alarm switch
- Push-to-test visual and audible alarm

## The following features are included or available with the E/One Sentry Protect Plus 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  
(available option)
- 5 Main Service Disconnect Breaker  
(available option)
- 6 Easy-Access Terminal Strips Interface
- 7 Display Panel Operating Indicators
  - Ready (AC Power) Indicator
  - Pump Running Indicator
  - Trouble Indicator
  - High Level Alarm Indicator
- 8 LCD Display
  - Manual Run Switch
  - Menu Navigation Buttons: Scroll, Enter, Up, Down
  - Trouble indications include:
    - Brown-out Condition
    - Run-dry Condition
    - System Over-pressure Condition
    - Run-time Limit Exceeded

- 9 User Selections  
(For system setup/service)
  - Diagnostic Mode
  - Pump Performance provides access to performance statistics including:
    - Real-time Voltage
    - Real-time Amperage
    - Real-time Wattage
    - Min/Max/Average Volts
    - Min/Max/Average Amps
    - Min/Max/Average Watts
    - Minimum Run-time
    - Maximum Run-time
    - Average Run-time
    - Last Run-time
    - Cycle Counter
    - Hour Meter
  - Initialize System
  - Run Limit
  - Alarm Delay
  - Power Delay

- 10 Generator Receptacle  
(available option)
- 11 Auto Transfer Switch  
(AC Mains to Portable Generator)  
(available option)
- 12 Sentry Advisor Power Supply and Modem

### eone SEWER SYSTEMS

Environment One Corporation  
2773 Balltown Road  
Niskayuna, NY USA 12309-1090  
Voice (01) 518.346.6161  
Fax 518.346.6188  
www.eone.com

A Precision Castparts Company  
LM000323 Rev. D