

e/one
sentry

ALARM PANELS

for E/One Low Pressure
Sewer Systems



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

e/one
SEWER SYSTEMS

E/ONE SENTRY

The Sentry line of alarm panels is designed for use with E/One grinder pump systems. The alarm panels are 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.

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.



The E/One Sentry panels provide a range of features essential to any installation in these options:

E/ONE SENTRY PANEL RANGE	BASIC	PROTECT PLUS	E/ONE SENTRY ADVISOR
High Level Visual/Audible Alarm	✓	✓	✓
Manual Run Button	✓	✓	✓
Start on High Level Alarm	✓	✓	✓
Pump Running Indicator	✓	✓	✓
Brownout Protection		✓	✓*
Overpressure Protection		✓	✓*
Run Dry Protection		✓	✓*
Real Time Operating Parameters		✓	✓*
Historic Operating Parameters		✓	✓*
Cycle Counter/Hour Meter		✓	✓*
Alarm Delay/Power On Delay		✓	✓*
Remote Monitoring			✓
Remote Alarm Notification			✓
Asset Mapping			✓
Performance Reporting			✓

* Functions vary based on panel



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.

E/One Sentry Protect Plus

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

The Protect Plus option provides a Trouble indication and shuts down the pump temporarily in the event of an unacceptable operating condition.

Protect Plus 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



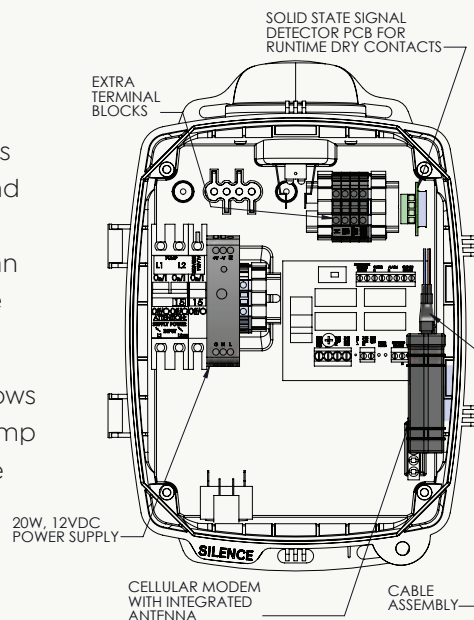
A diagnostics package provides advanced warning of pending service needs by monitoring major operating conditions and providing a Trouble indication when these conditions fall outside of normal ranges. Depending upon the severity of the abnormal condition, the grinder pump station may continue to operate.

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.

E/One offers a range of alarm panels for simplex, duplex and quadplex grinder pump stations. Learn more at www.eone.com/sewers.

THE FOLLOWING FEATURES ARE INCLUDED OR AVAILABLE

with the E/One Sentry Protect Plus to maximize reliability and convenience:

DISPLAY PANEL OPERATING INDICATORS

- Ready (AC Power) Indicator
- Pump Running Indicator
- Trouble Indicator
- High Level Alarm Indicator

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



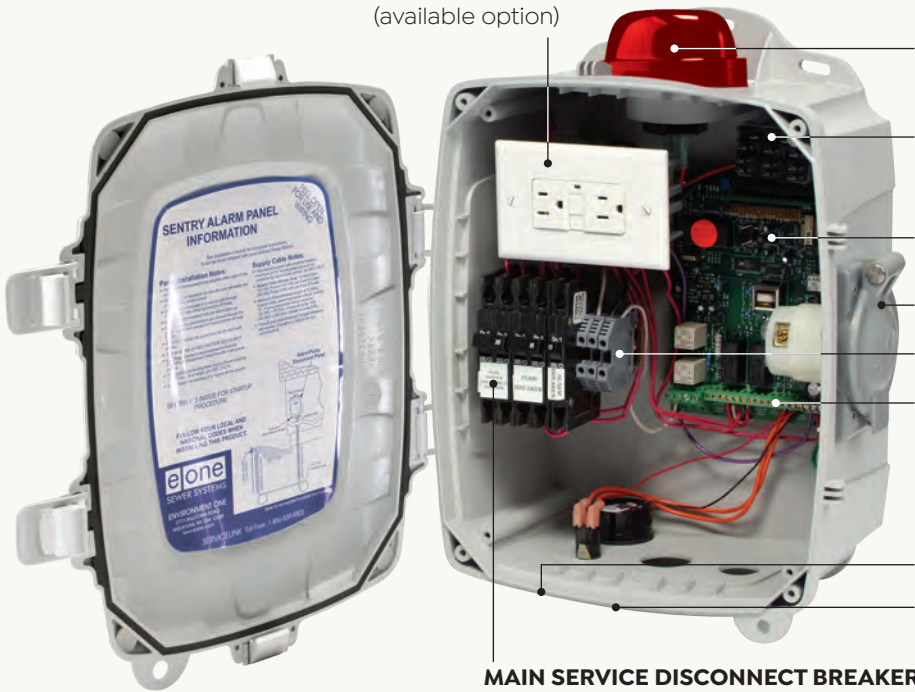
USER SELECTIONS

(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

GFCI RECEPTACLE

(2) 120-volt, 15 Amp GFCI receptacles
(available option)



VISUAL ALARM INDICATOR

AUTO TRANSFER SWITCH

AC Mains to Portable Generator (available option)

SENTRY ADVISOR MODEM (available option)

GENERATOR RECEPTACLE (available option)

SENTRY ADVISOR POWER SUPPLY (available option)

EASY-ACCESS TERMINAL STRIPS INTERFACE

AUDIBLE ALARM

ALARM SILENCE SWITCH

MAIN SERVICE DISCONNECT BREAKER (available option)