

## E/One Sentry™

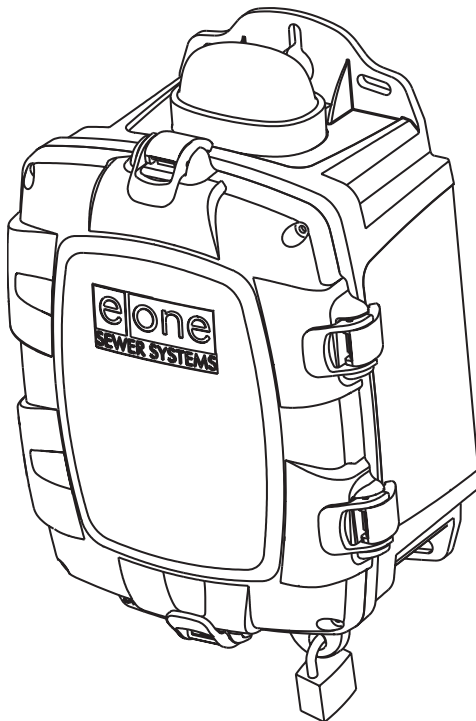
### Alarm Panel — Protect Plus Package

#### Description

The E/One Sentry panels are custom designed for use with Environment One grinder pump stations. They can be configured to meet the needs of your application, from basic alarm indication to advanced warning of pending service requirements.

E/One Sentry panels are supplied with audible and visual high level alarms. They are easily installed in accordance with relevant national and local codes. Standard panels are approved by UL, CSA, CE and NSF to ensure high quality and safety.

The panel features a corrosion-proof, NEMA 4X-rated, thermoplastic enclosure. A padlock is provided to prevent unauthorized entry (safety front).



#### Standard Features

Includes all features of the basic configuration of the E/One Sentry panel, including circuit breakers, 240 or 120 VAC service, terminal blocks and ground lugs, audible alarm with manual silence, manual run feature and run indicator, redundant “Start” function with high level alarm, safety front, conformal-coated board and overload protection.

Includes all of the features of the E/One Sentry Protect package, including a Trouble indication that shuts down the pump temporarily in the event of an unacceptable operating condition (brownout, system overpressure, run dry), as well as:

Predictive status display module

Pre-alarm indication for major operating parameters

Alarm indications for major operating parameters

Hour meter, cycle counter and alarm delay

LCD display and user-friendly interface

Inner cover (dead front)

Contact group — dry and Remote Sentry

#### Optional Features

Generator receptacle with auto transfer

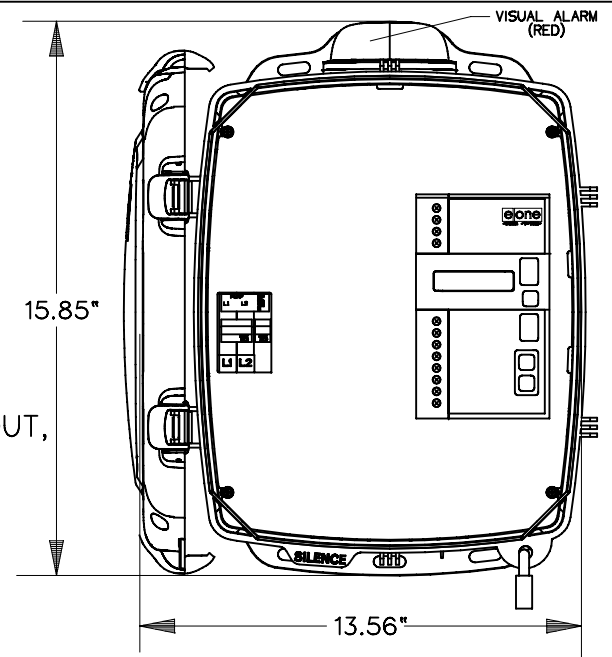
GFCI

Main service disconnect

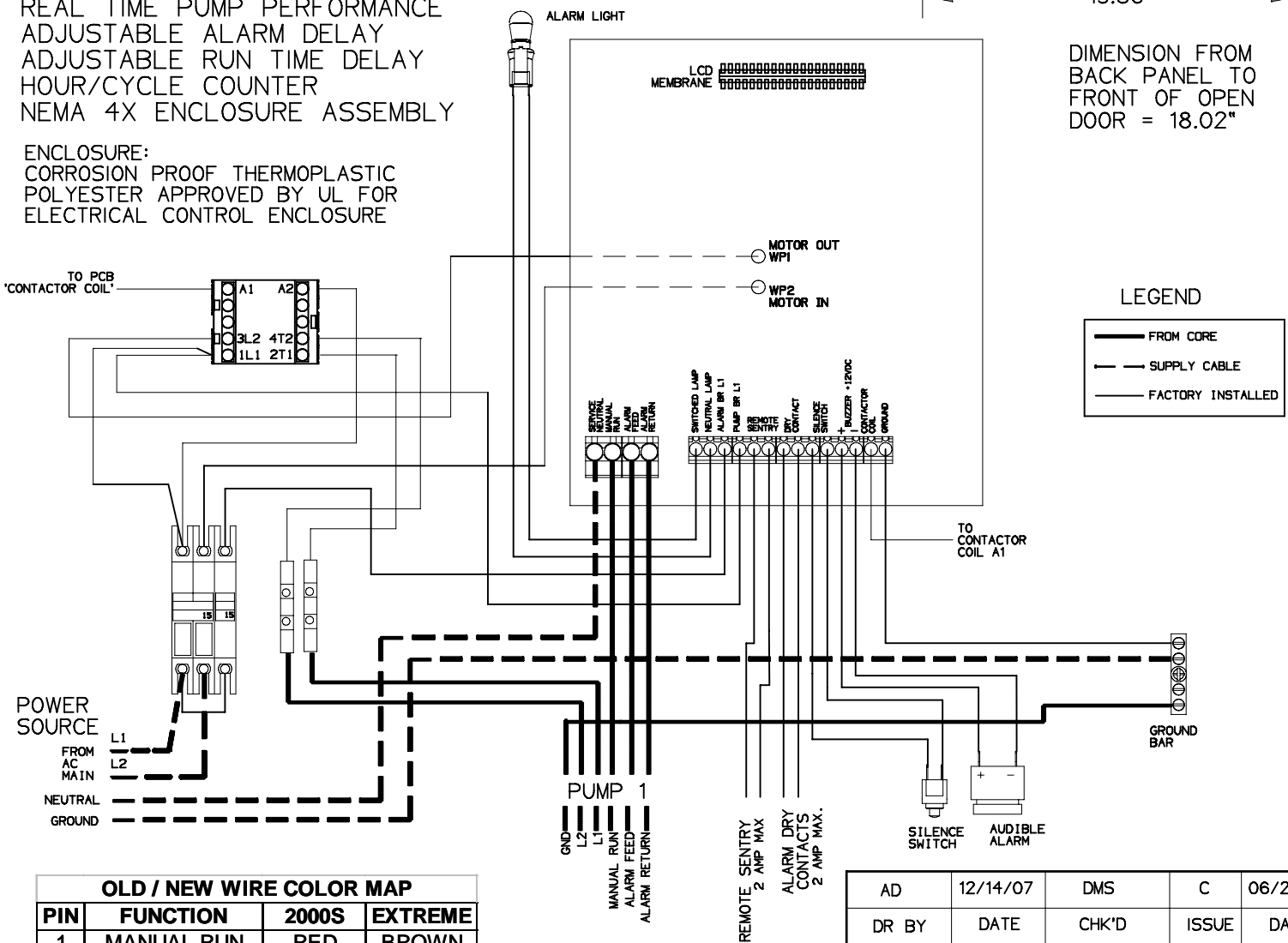
# SENTRY PROTECT PLUS SIMPLEX

- REDUNDANT RUN (HIGH LEVEL)
- EXTERNAL VISUAL & AUDIBLE ALARM
- REMOTE SENTRY DRY CONTACTS FOR
- OPTIONAL POWER LOSS HIGH LEVEL
- ALARM (POWER LOSS ALARM FOR WIRELESS)
- MANUAL ALARM SILENCE
- MANUAL RUN
- STATUS LED'S: NORMAL, PUMP RUNNING, HIGH LEVEL
- TROUBLE INDICATIONS: RUN DRY, OVERPRESSURE, BROWNOUT,
- VOLTAGE, EXTENDED RUN TIME
- DRY CONTACTS
- CONFORMAL COATED CIRCUIT BOARD (BOTH SIDES)
- PADLOCK
- DEAD FRONT
- PREDICTIVE ALARMS
- REAL TIME PUMP PERFORMANCE
- ADJUSTABLE ALARM DELAY
- ADJUSTABLE RUN TIME DELAY
- HOURLY/CYCLE COUNTER
- NEMA 4X ENCLOSURE ASSEMBLY

ENCLOSURE:  
CORROSION PROOF THERMOPLASTIC  
POLYESTER APPROVED BY UL FOR  
ELECTRICAL CONTROL ENCLOSURE



DIMENSION FROM  
BACK PANEL TO  
FRONT OF OPEN  
DOOR = 18.02"



OLD / NEW WIRE COLOR MAP			
PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	L2	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE

CONTROL CABLE:  
TYPE TC: DIRECT BURIAL,  
SIX CONDUCTOR

AD	12/14/07	DMS	C	06/23/11
DR BY	DATE	CHK'D	ISSUE	DATE



SENTRY PROTECT PLUS PANEL, SIMPLEX  
240V 60Hz DOUBLE POLE POWER

NA0079P03

# SENTRY PROTECT PLUS SIMPLEX

REDUNDANT RUN (HIGH LEVEL)  
EXTERNAL VISUAL & AUDIBLE ALARM  
REMOTE SENTRY DRY CONTACTS FOR  
OPTIONAL POWER LOSS HIGH LEVEL  
ALARM (POWER LOSS ALARM FOR WIRELESS)

MANUAL ALARM SILENCE

MANUAL RUN

STATUS LED'S: NORMAL, PUMP RUNNING, HIGH LEVEL

TROUBLE INDICATIONS: RUN DRY, OVERPRESSURE, BROWNOUT,  
VOLTAGE, EXTENDED RUN TIME

DRY CONTACTS

CONFORMAL COATED CIRCUIT BOARD (BOTH SIDES)

PADLOCK

DEAD FRONT

PREDICTIVE ALARMS

REAL TIME PUMP PERFORMANCE

ADJUSTABLE ALARM DELAY

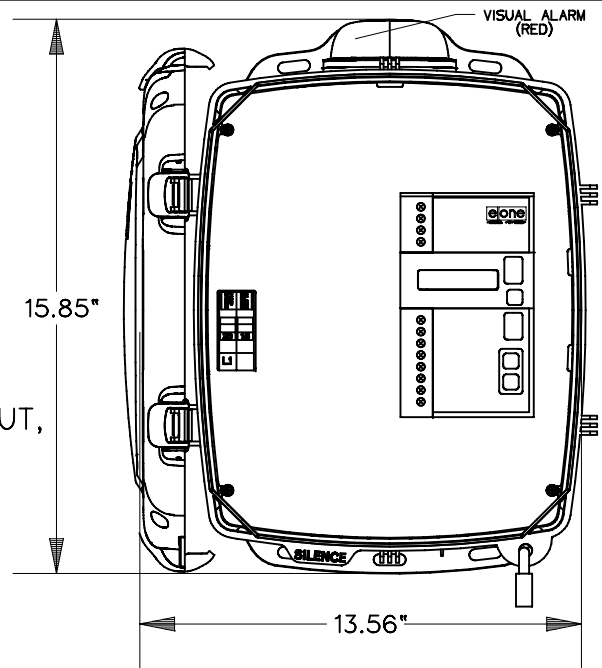
ADJUSTABLE RUN TIME DELAY

HOURLY/CYCLE COUNTER

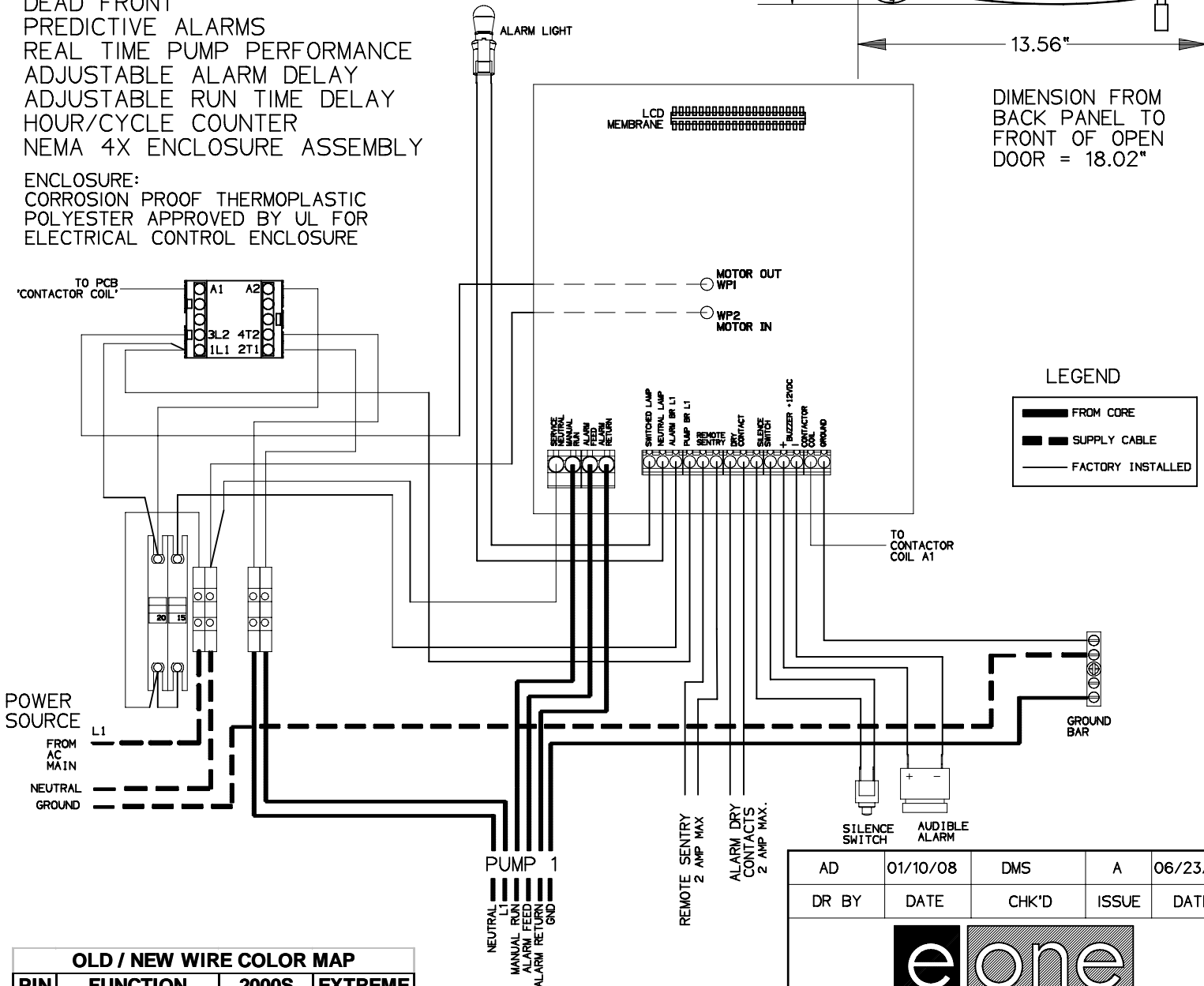
NEMA 4X ENCLOSURE ASSEMBLY

ENCLOSURE:

CORROSION PROOF THERMOPLASTIC  
POLYESTER APPROVED BY UL FOR  
ELECTRICAL CONTROL ENCLOSURE



DIMENSION FROM  
BACK PANEL TO  
FRONT OF OPEN  
DOOR = 18.02"



## LEGEND

	FROM CORE
	SUPPLY CABLE
	FACTORY INSTALLED

OLD / NEW WIRE COLOR MAP			
PIN	FUNCTION	2000S	EXTREME
1	MANUAL RUN	RED	BROWN
2	L1	BLACK	RED
3	NEUTRAL	WHITE	BLACK
4	GND	GREEN	GRN/YEL
5	ALARM FEED	ORANGE	YELLOW
6	ALARM RETURN	BLUE	BLUE

## CONTROL CABLE:

TYPE TC: DIRECT BURIAL,  
SIX CONDUCTOR

AD	01/10/08	DMS	A	06/23/11
DR BY	DATE	CHK'D	ISSUE	DATE



SENTRY PROTECT PLUS PANEL, SIMPLEX  
120V, SINGLE POLE POWER

NA0079P04