

E/One Sentry™

Alarm Panel — Duplex Protect Plus Package

Description

The E/One Sentry Protect Plus panels are custom designed for use with Environment One Duplex 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 Protect Plus 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).

Features

Includes all features of the basic configuration of the E/One Sentry Simplex 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, safety front, conformal-coated board and overload protection.

Includes all features of the E/One Sentry Simplex Protect package, including a Trouble indication that shuts down the pumps temporarily in the event of an unacceptable operating condition (brownout, system over-pressure, 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

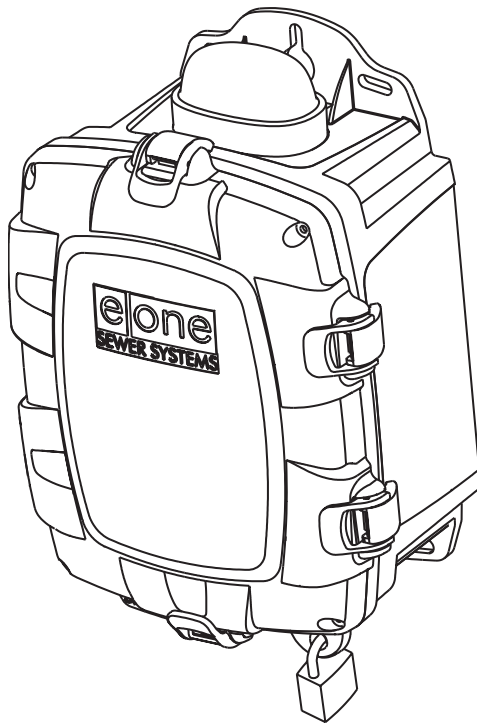
LCD display and user-friendly interface

Inner cover (dead front)

Contact group — dry contacts and Remote Sentry contacts

Programmable User Settings

Please consult factory for special applications.



SENTRY PROTECT PLUS DUPLEX

EXTERNAL VISUAL & AUDIBLE ALARM
 REMOTE SENTRY DRY CONTACTS FOR
 OPTIONAL SENTRY 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

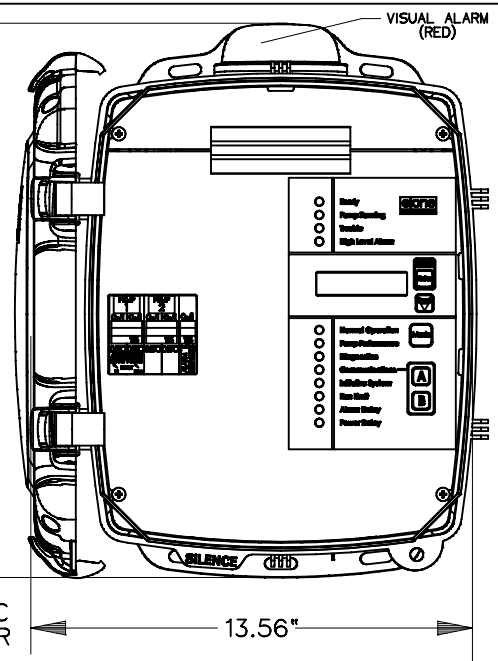
HOURLY/CYCLE COUNTER

NEMA 4X ENCLOSURE ASSEMBLY

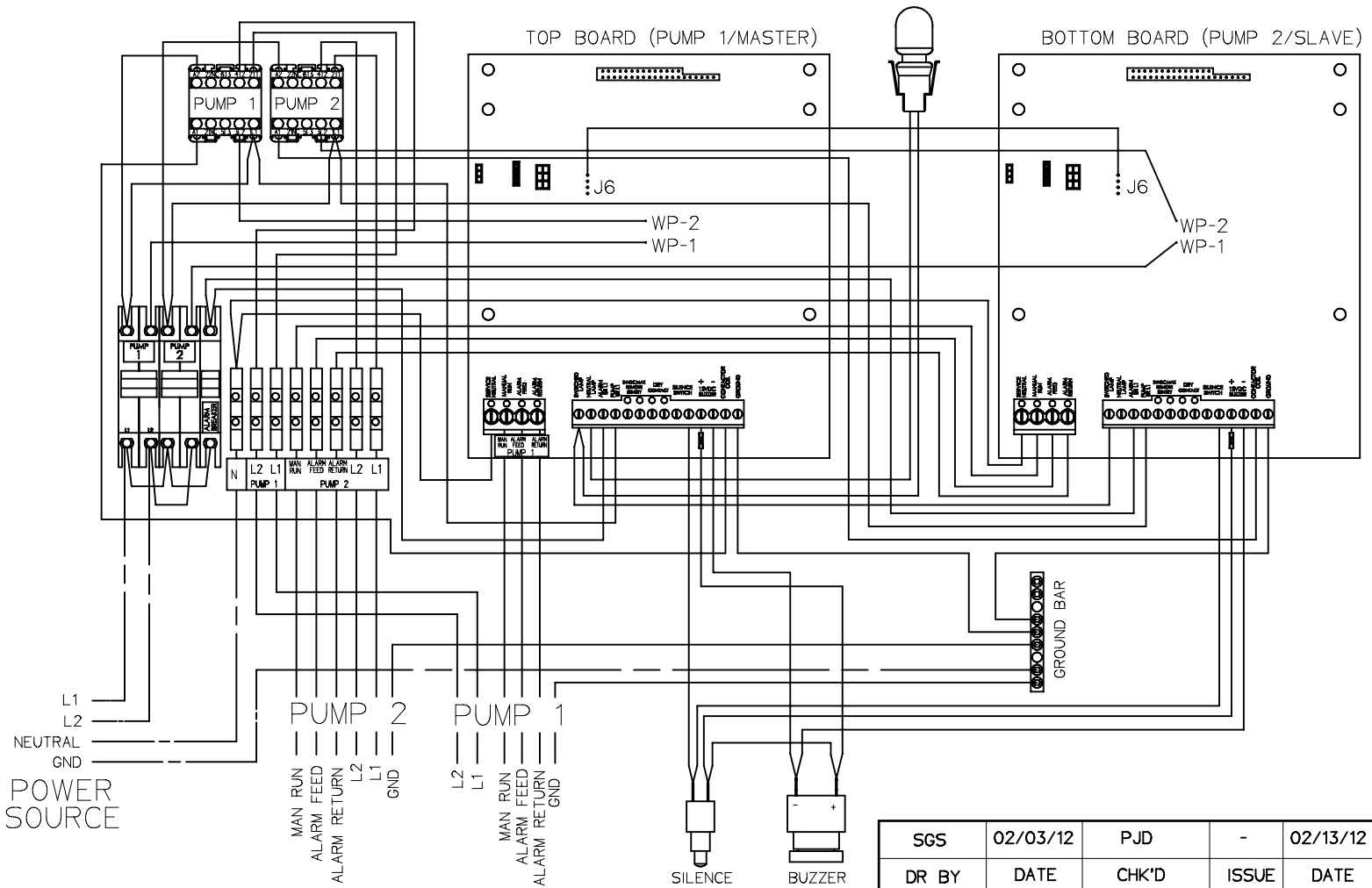
DIMENSION FROM
 BACK PANEL TO
 FRONT OF OPEN
 DOOR = 18.02"

15.85"

13.56"



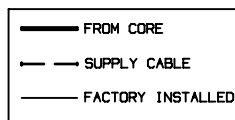
ENCLOSURE:
 CORROSION PROOF THERMOPLASTIC
 POLYESTER APPROVED BY UL FOR
 ELECTRICAL CONTROL ENCLOSURE



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

LEGEND



CONTROL CABLE:
 TYPE TC: DIRECT BURIAL,
 SIX CONDUCTOR

SGS	02/03/12	PJD	-	02/13/12
DR BY	DATE	CHK'D	ISSUE	DATE



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

NA0344P03

SENTRY PROTECT PLUS DUPLEX

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 REMOTE SENTRY DRY CONTACTS FOR
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ADJUSTABLE ALARM DELAY

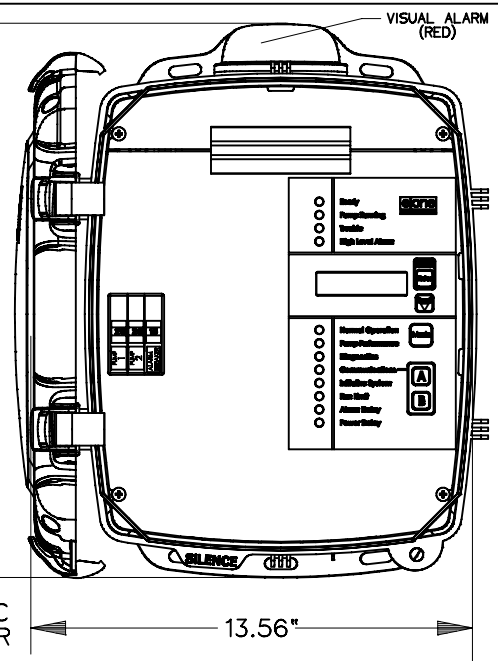
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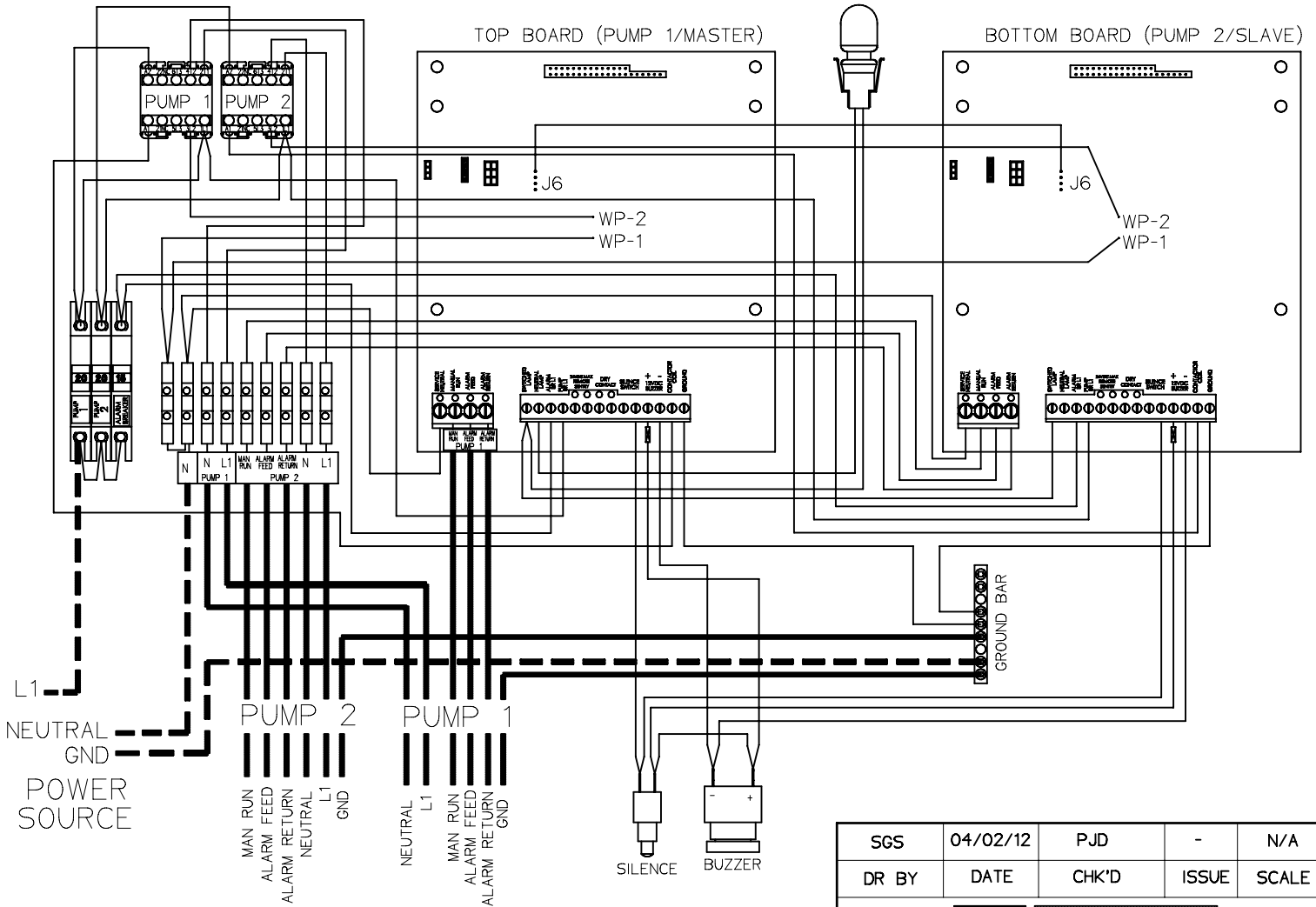
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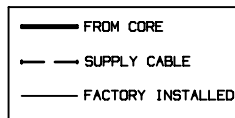
ENCLOSURE:
 CORROSION PROOF THERMOPLASTIC
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 ELECTRICAL CONTROL ENCLOSURE



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LEGEND



CONTROL CABLE:
 TYPE TC: DIRECT BURIAL,
 SIX CONDUCTOR

SGS	04/02/12	PJD	-	N/A
DR BY	DATE	CHK'D	ISSUE	SCALE



SENTRY PROTECT PLUS PANEL, DUPLEX
 120V 60Hz

NA0344P04