

Simplex Oil Pump Controller

Dimensions and External Layout

Model: ASA

PER QUOTE DRAWING No.

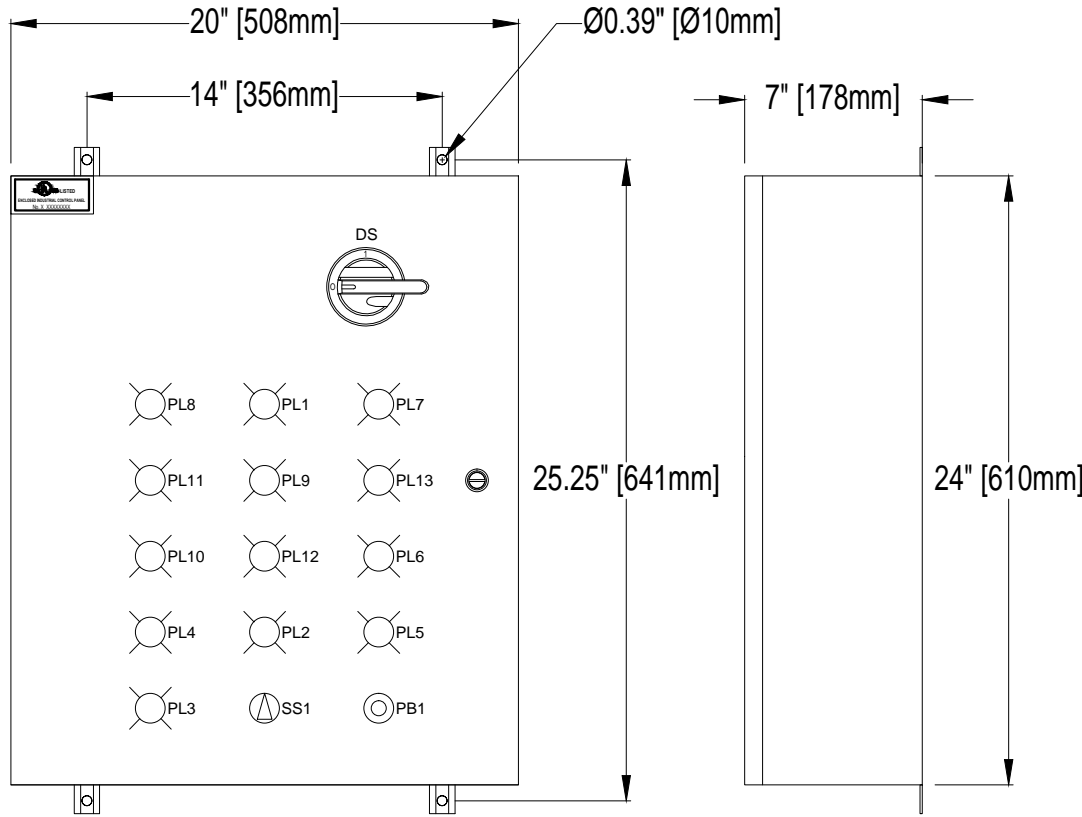


REV. 0. FIRST ISSUE

DESCRIPTION

DD/MM/YY
15/08/16

DRAWING No.



NEMA/CSA 1 ENCLOSURE ASA 61 GREY

DESIG.	LABEL TEXT
DS	MAIN DISCONNECT
PB1	RESET
PL1	POWER ON
PL2	PUMP RUNNING
PL3	LOW PRESSURE
PL4	HIGH PRESSURE
PL5	LOW LEVEL DAY TANK
PL6	HIGH LEVEL DAY TANK
PL7	DAY TANK VACUUM / LEAK
PL8	MAIN TANK VACUUM / LEAK
PL9	PUMP LEAK
PL10	LOW LEVEL MAIN TANK
PL11	HIGH LEVEL MAIN TANK
PL12	PUMP OVERLOAD
PL13	CRITICAL HIGH LEVEL DAY TANK
SS1	PUMP / H - O - A

Simplex Oil Pump Controller

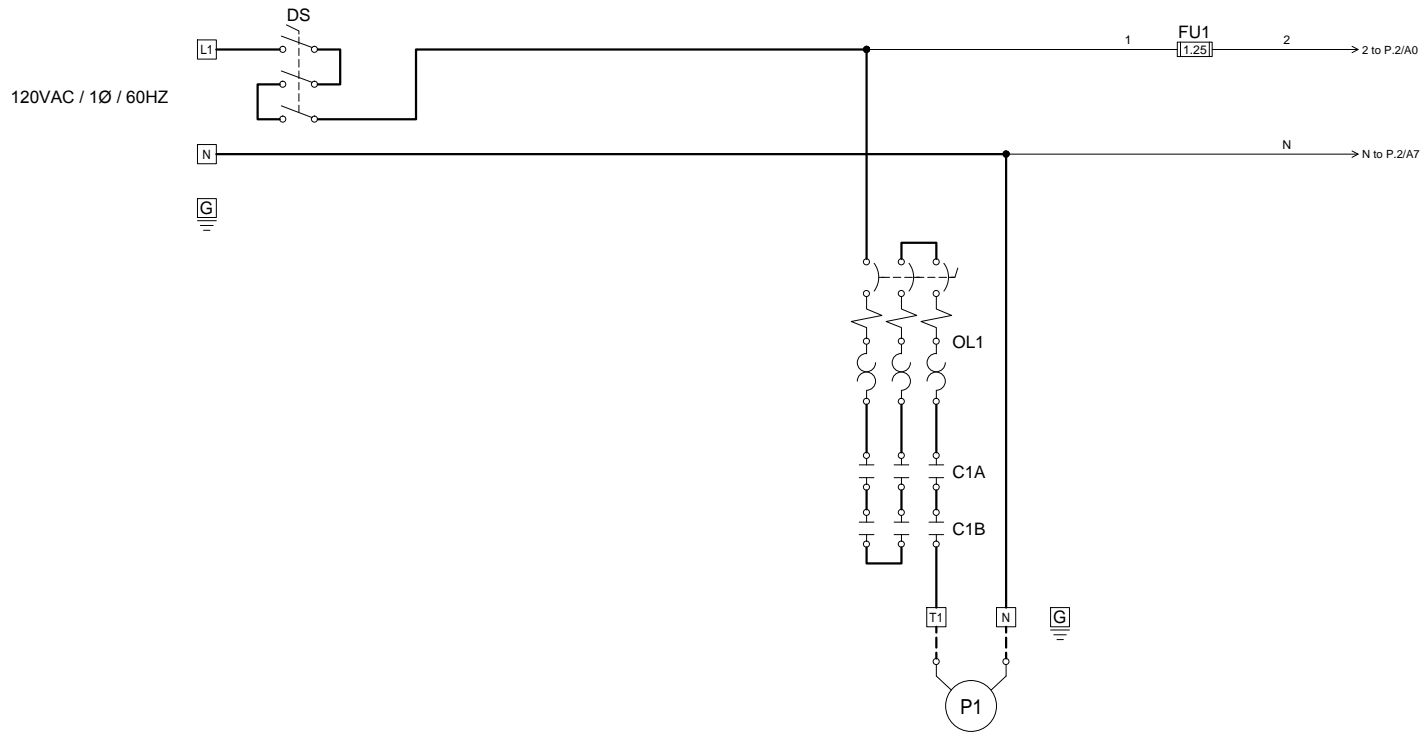
Power Wiring Schematic

Model: ASA

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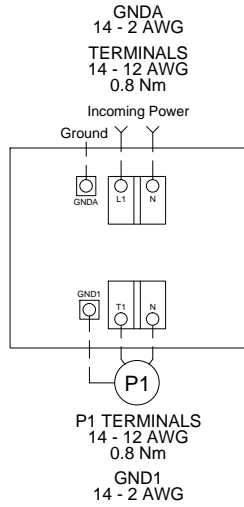
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Terminal Diagram

Model: ASA

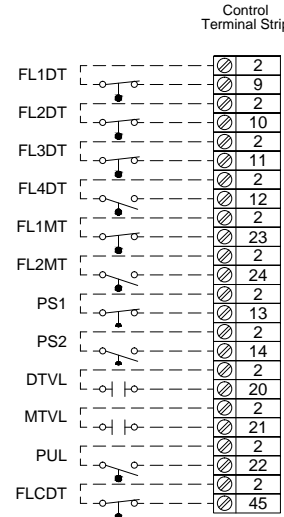
Power Connections

Terminals Wire Size:



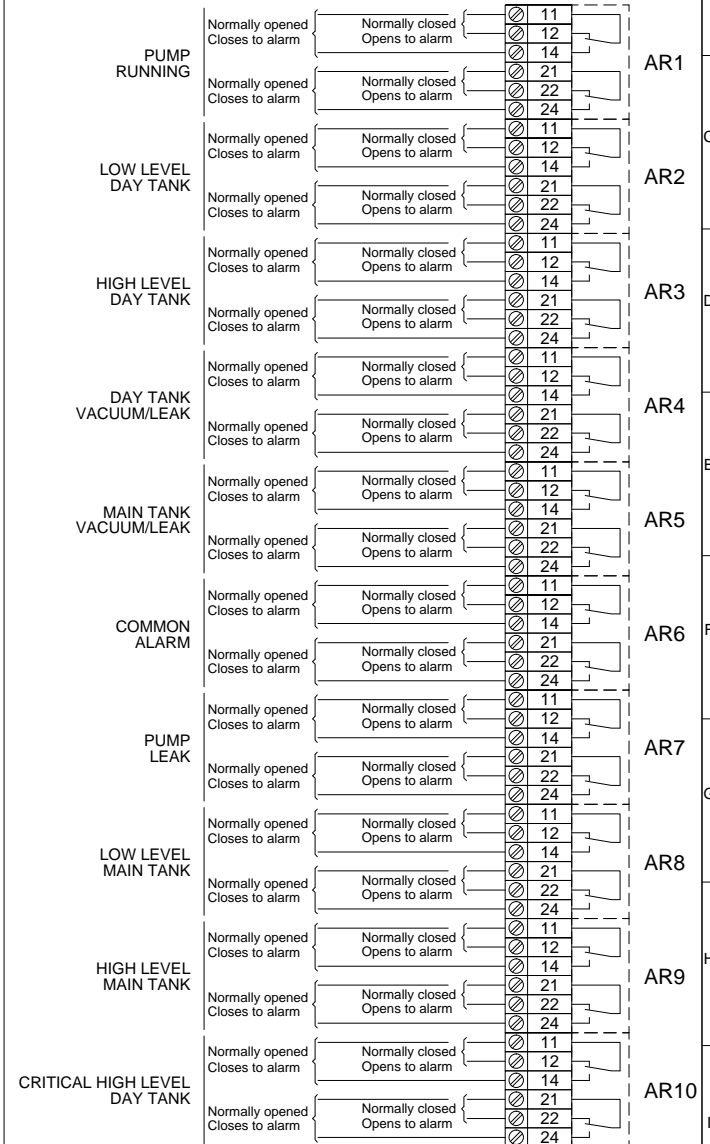
Control Connections

Terminals Wire Size:
28 - 12 AWG
0.8 Nm



Alarm Contacts

Terminals Wire Size:
22 - 14 AWG
0.8 Nm



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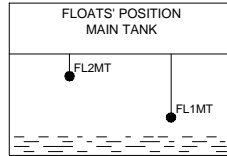


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Control Logic

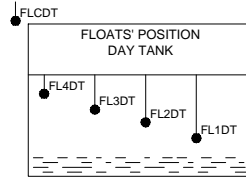
DESIG.	DESCRIPTION
AR	ALARM RELAY
C	CONTACTOR
CR	CONTROL RELAY
DS	DISCONNECT SWITCH
FU	FUSE
OL	MOTOR PROTECTOR
PB	PUSH BUTTON
PL	PILOT LIGHT
SM	SEQUENCING MODULE
SS	SELECTOR SWITCH



FL2MT : HIGH LEVEL ALARM

FL1MT : LOW LEVEL ALARM

MTVL : MAIN TANK VACUUM / LEAK AND STOP PUMP



FLCDDT : CRITICAL HIGH LEVEL ALARM AND STOP PUMP

FL4DT : HIGH LEVEL ALARM AND STOP PUMP

FL3DT : STOP PUMP

FL2DT : START PUMP

FL1DT : LOW LEVEL ALARM

DTVL : DAY TANK VACUUM LEAK AND STOP PUMP

PUL : PUMP LEAK AND STOP PUMP

PS1 : PRESSURE SWITCH (LOW PRESSURE)

PS2 : PRESSURE SWITCH (HIGH PRESSURE)

T1 : LOW PRESSURE OVERRIDE TIMER P1 (FACTORY SET AT 1 MINUTE - ADJUSTABLE IN SM1)