

# Diesel Fuel Fill Station Monitor

PER QUOTE DRAWING No.	TQ-30451-SG r0
REV.	DESCRIPTION
0.	FIRST ISSUE



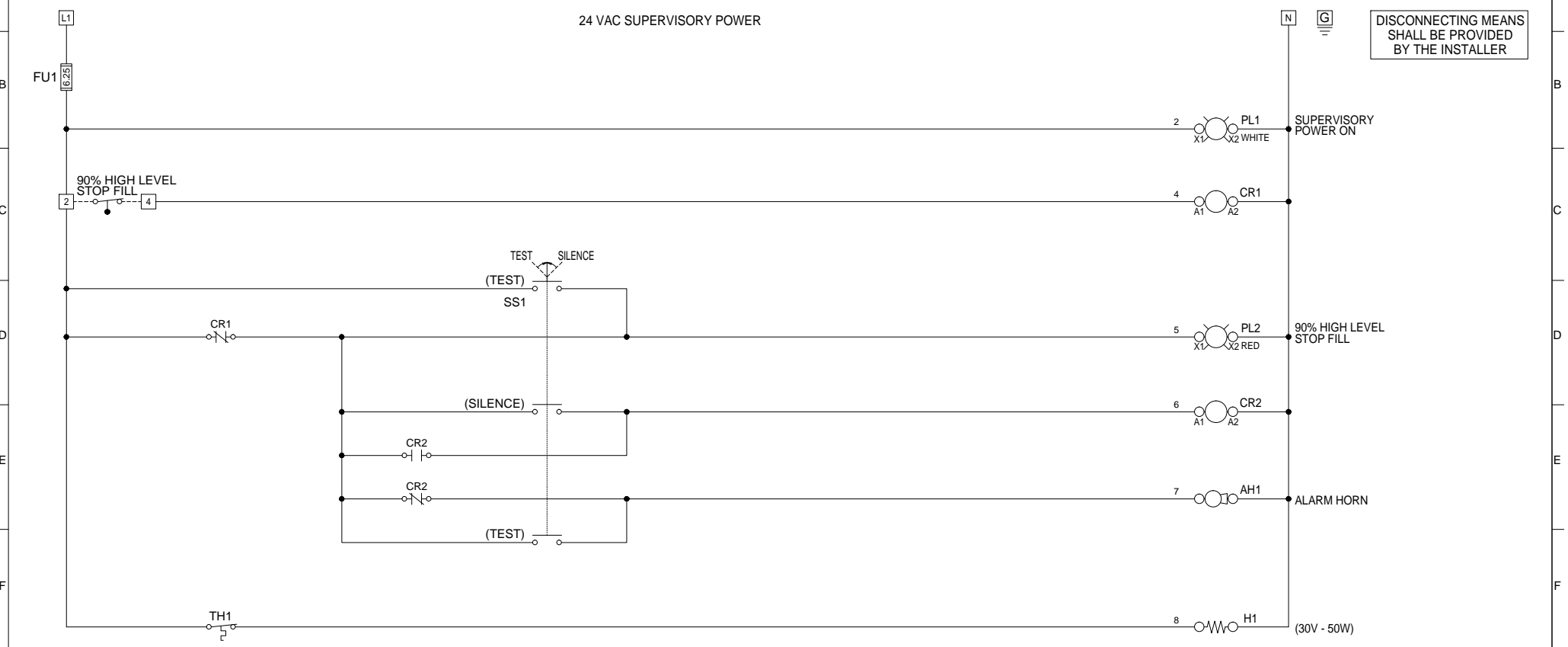
DD/MM/YY	21/03/19
DRAWING No.	Q-Z1851255-SA

## Wiring Schematic

### Model: APA-FILL

24 VAC SUPERVISORY POWER

DISCONNECTING MEANS SHALL BE PROVIDED BY THE INSTALLER



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## Terminal Diagram

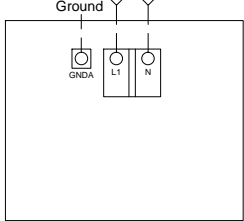
## Model: APA-FILL

### Power Connections

Terminals Wire Size:

GND  
14 - 2 AWG  
TERMINALS  
14 - 12 AWG  
0.8 Nm

Incoming Power



### Control Connections




Terminals Wire Size:  
28 - 12 AWG  
0.8 Nm

Control Terminal Strip

90% HIGH LEVEL STOP FILL

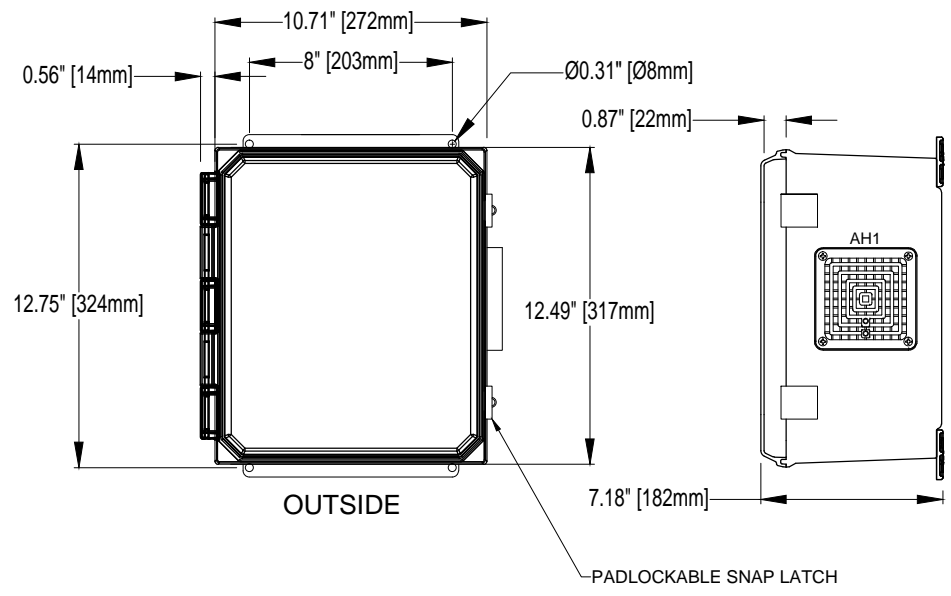


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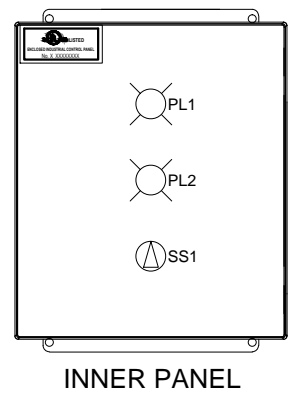
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## Dimensions and External Layout

Model: APA-FILL






DESIG.	LABEL TEXT
AH1	-
PL1	SUPERVISORY POWER ON
PL2	90% HIGH LEVEL / STOP FILL
SS1	TEST - SILENCE



NEMA/CSA 4X FIBERGLASS DEADFRONT GREY ENCLOSURE

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## Control Logic

## Model: APA-FILL

DESIG.	DESCRIPTION
AH	ALARM HORN
CR	CONTROL RELAY
FU	FUSE
H	HEATER
PL	PILOT LIGHT
SS	SELECTOR SWITCH
TH	THERMOSTAT

- Confirm that the "SUPERVISORY POWER ON" white pilot light is illuminated. It confirms that there's power to unit.
- Confirm that the "90% HIGH LEVEL STOP FILL" red pilot light **IS NOT ILLUMINATED**. Do not fill if the light is illuminated as tank is already at a high level or float is faulty.
- Toggle the switch to "TEST" to test the alarm horn and the pilot light. If horn or light does not activate, no filling should occur.
- At "90% HIGH LEVEL STOP FILL", audible and visual alarm activates. Toggle the switch to "SILENCE" to mute the horn.
- Fill procedure is complete.

NOTE: The "90% HIGH LEVEL STOP FILL" red light remains on until the condition is corrected. The alarm circuit resets automatically.