



Precision Digital Corporation

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Hopkinton MA 01748
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www.predig.com

Part Number PDEA-P2PVA6-PL-2F00RH-0-R

SAMPLE

Manufacturer	Precision Digital Corporation	Feed-In Voltage	120VAC
Project Description	Process Value Alarm	Control Voltage	120VAC
Type	Standard Product	Environmental Rating	UL Type 4X
Regulation	UL508A	Short Circuit Current Rating	N/A

Created on 04/13/26

Edit date 06/01/26

by: SLEONARD

Number of pages 11

Creation Date 04/13/26	Creator Name BSMITH	Specifications: UL508A LISTED CONTROL PANEL Class 1 Control Circuit Incoming Power: 120 VAC 50/60 HZ, 5A Fuse Spec: UL Listed 125/250 VAC 5A Circuit Breaker Spec: UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve	Installation Requirements: Use only Copper Conductors rated 250V min, 60°C min. Tighten Fuse Terminals to 7 in.-lbs. Tighten Circuit Breaker Terminals to 21 in.-lbs. Tighten GND and N Terminal Blocks to 4.4 in.-lbs. Tighten all other Field Terminals to 3.5 in.-lbs. Use conduit hubs or fittings with the same environmental rating as the enclosure.	Notes:		Project Name PDEA-P2PVA6-PL-2F00RH-0-R 233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 www.predig.com	Project Description Process Value Alarm	Document Type Title page / cover sheet	Section Page NO. 1 of 2		
Mod. Date 05/29/26	Mod. Name SLEONARD					Drawing Number DWG-PDEA-P2PVA6-PL-2F00RH-0-R	UL Requirement UL508A	Scale 1 : 1	Page Title: Title Page	Project Sheet NO. 1 of 11	REV. B

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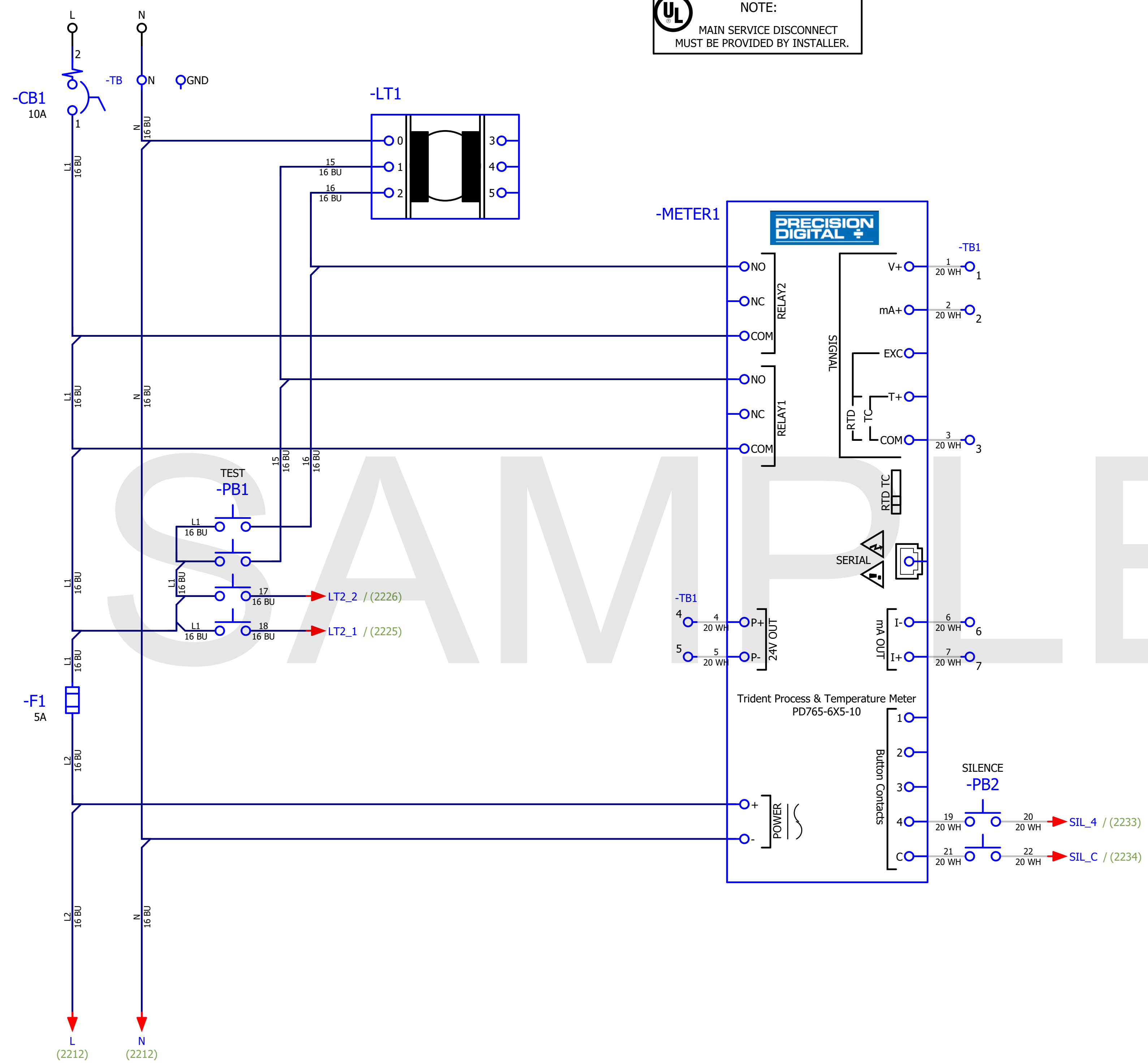
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3	Internal Panel Wiring	05/29/26	SLEONARD
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Creation Date 04/13/26	Creator Name BSMITH	Specifications: UL508A LISTED CONTROL PANEL Class 1 Control Circuit Incoming Power: 120 VAC 50/60 HZ, 5A Fuse Spec: UL Listed 125/250 VAC 5A Circuit Breaker Spec: UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve	Installation Requirements: Use only Copper Conductors rated 250V min, 60°C min. Tighten Fuse Terminals to 7 in.-lbs. Tighten Circuit Breaker Terminals to 21 in.-lbs. Tighten GND and N Terminal Blocks to 4.4 in.-lbs. Tighten all other Field Terminals to 3.5 in.-lbs. Use conduit hubs or fittings with the same environmental rating as the enclosure.	Notes:		Project Name PDEA-P2PVA6-PL-2F00RH-0-R	Project Description Process Value Alarm	Document Type Table of contents	Section Page NO. 2 of 2	
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UL NOTE:
MAIN SERVICE DISCONNECT
MUST BE PROVIDED BY INSTALLER.



NOTES

1.) LT1 - 120VAC Light Stack Configuration
Pin 1 = Flashing Red Module
Pin 2 = Horn Module

PANEL TO BEAR
UL508A LABEL

UL LISTED UL508A LISTED CONTROL PANEL
NOTE:
Specifications:
Class 1 Control Circuit
Incoming Power: 120 VAC 50/60 HZ, 5A
Fuse Spec: UL Listed 125/250 VAC 5A
Circuit Breaker Spec:
UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve
Installation Requirements:
Use only Copper Conductors rated 250V min, 60°C min.
Tighten Fuse Terminals to 7 in-lbs.
Tighten Circuit Breaker Terminals to 21 in-lbs.
Tighten GND and N Terminal Blocks to 4.4 in-lbs.
Tighten all other Field Terminals to 3.5 in-lbs.
Use conduit hubs or fittings with the same environmental rating as the enclosure.

Creation Date	Creator Name
04/13/26	BSMITH
Mod. Date	Mod. Name
05/29/26	SLEONARD



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Project Name	PDEA-P2PVA6-PL-2F00RH-0-R
Drawing Number	DWG-PDEA-P2PVA6-PL-2F00RH-0-R

Project Description	Process Value Alarm
UL Requirement	UL508A

Document Type	Schematic multi-line
Scale	1 : 1
Page Title:	Internal Panel Wiring

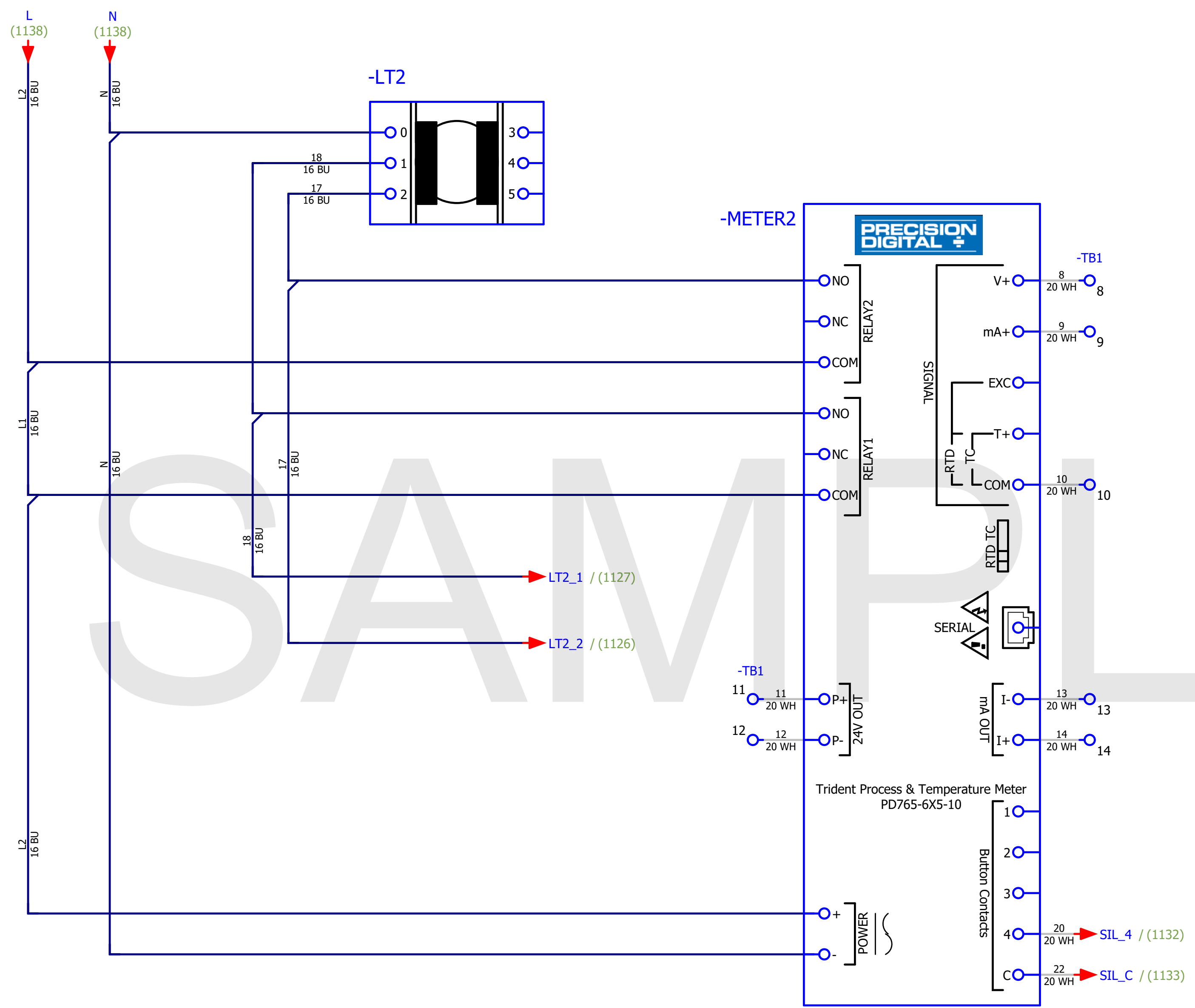
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UL NOTE:
MAIN SERVICE DISCONNECT
MUST BE PROVIDED BY INSTALLER.

NOTES

1.) LT2 - 120VAC Light Stack Configuration
Pin 1 = Flashing Red Module
Pin 2 = Horn Module

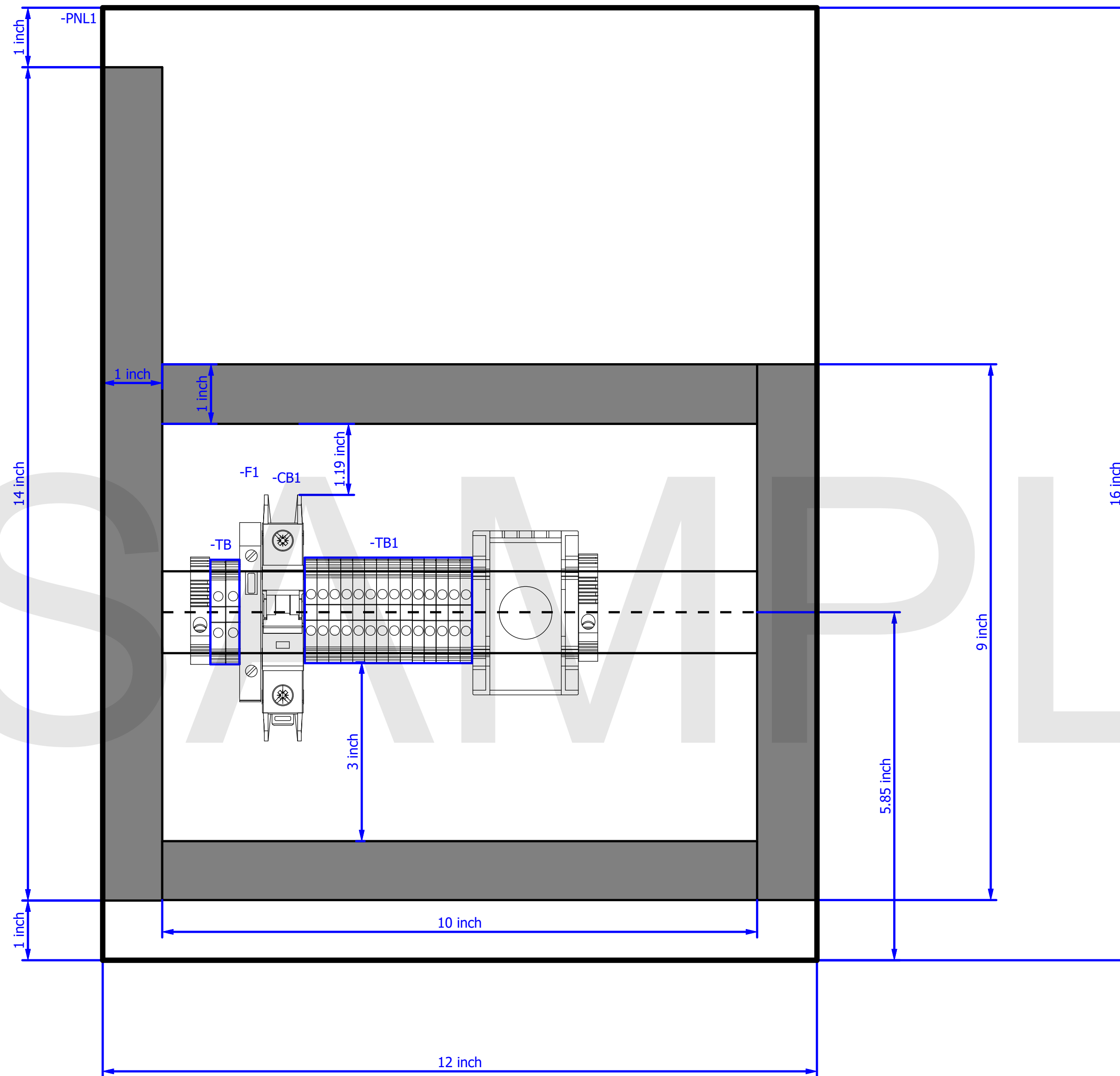


PANEL TO BEAR
UL508A LABEL

UL LISTED UL508A LISTED CONTROL PANEL
NOTE:
Specifications:
Class 1 Control Circuit
Incoming Power: 120 VAC 50/60 HZ, 5A
Fuse Spec: UL Listed 125/250 VAC 5A
Circuit Breaker Spec:
UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve
Installation Requirements:
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60°C min.
Tighten Fuse Terminals to 7 in-lbs.
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Tighten all other Field Terminals to 3.5 in-lbs.
Use conduit hubs or fittings with the same
environmental rating as the enclosure.

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PANEL TO BEAR
UL508A LABEL

UL LISTED UL508A LISTED CONTROL PANEL

NOTE:
Specifications:
Class 1 Control Circuit
Incoming Power: 120 VAC 50/60 HZ, 5A
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Circuit Breaker Spec:
UL Listed 240 VAC/48 VDC, 10A, 1-pole, C curve

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04/13/26	BSMITH
Mod. Date	Mod. Name
05/29/26	SLEONARD



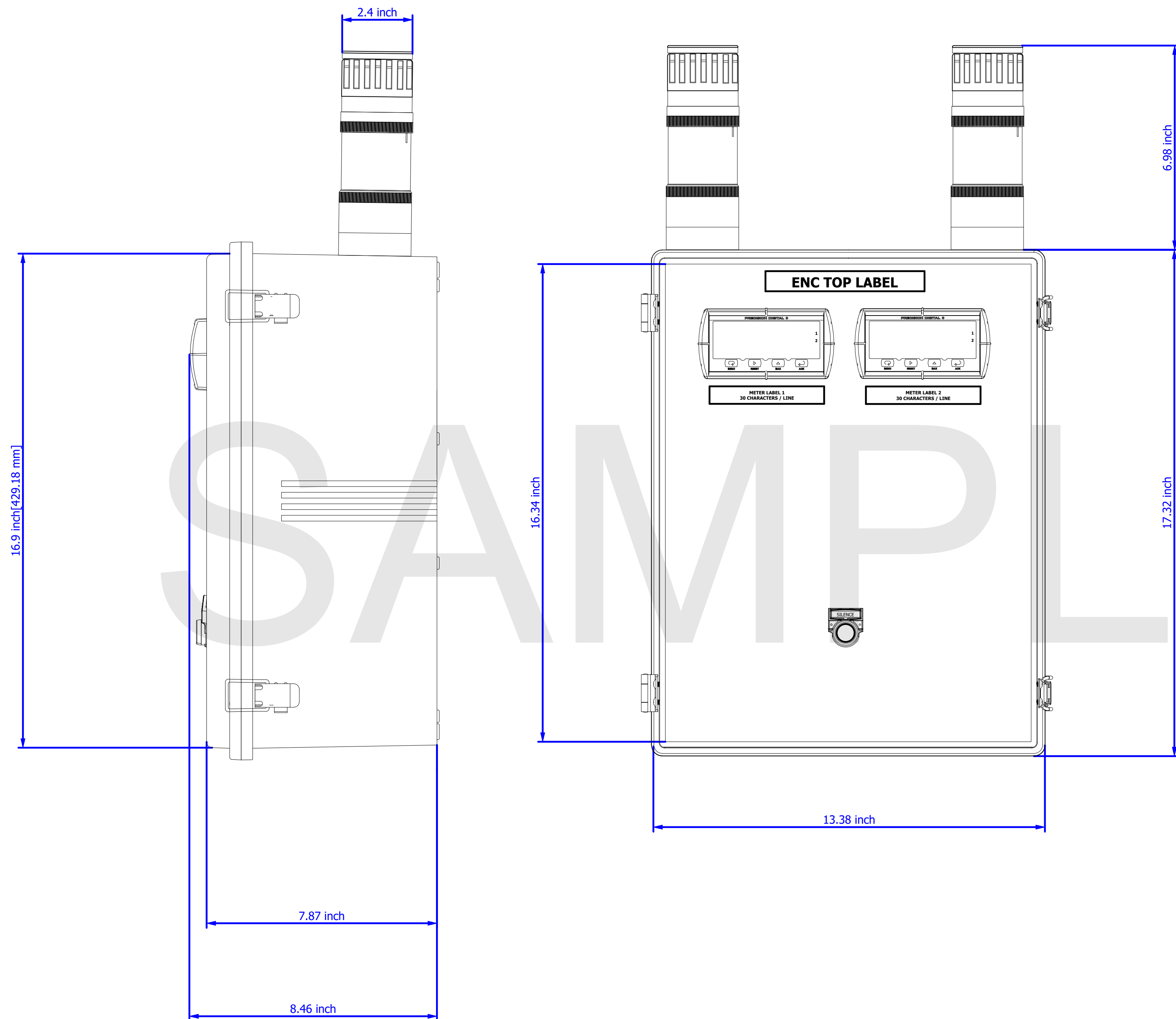
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Project Name	Project Description
PDEA-P2PVA6-PL-2F00RH-0-R	Process Value Alarm
Drawing Number	UL Requirement
DWG-PDEA-P2PVA6-PL-2F00RH-0-R	UL508A

Document Type	Scale
Panel layout	2 : 3
Page Title:	Section Page NO.
Subpanel Layout	1 of 2

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PANEL TO BEAR
UL508A LABEL

UL LISTED UL508A LISTED CONTROL PANEL

NOTE:
 Specifications:
 Class 1 Control Circuit
 Incoming Power: 120 VAC 50/60 HZ, 5A
 Fuse Spec: UL Listed 125/250 VAC 5A
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Drawing Number	DWG-PDEA-P2PVA6-PL-2F00RH-0-R

Project Description	Process Value Alarm
UL Requirement	UL508A
Scale	2 : 5

Document Type	Panel layout
Page Title:	External Enclosure Layout






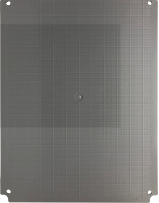












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Summarized Parts List

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Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
PD765-6X0-00	2	Trident Process & Temperature Meter (85-265 VAC, 90-265 VDC) Inputs: (1) Current (4-20 mA), Voltage (0-10 V), Thermocouple, RTD N/A	Precision Digital			1
PDA1939	1	Plastic UL Type 4X Enclosure 13.8" x 17.7" x 7.9" (350 mm x 450 mm x 200 mm) (W x H x D)	Precision Digital			2
PDP1939	1	12.0" by 16.0" Plastic Subplate Compatible with PDA1939	Precision Digital			3
	2	YDE Piezo buzzer module 120VAC UL 4/4X/13 90dB	Auer Signal			4
	2	YDA LED RD flashing beacon module 120VAC UL 4/4X/13 ECO60	Auer Signal			5
	2	YMS Base for horizontal mounting UL 4/4X/13	Auer Signal			6
PDC-ENC-LBL	1	Engraved General Enclosure Label	Precision Digital			7
PDC-METER-LBL	2	Engraved Panel Meter Label	Precision Digital			8
	2	22 mm Black Flush Momentary Black Bezel Pushbutton NEMA 4X	BACO Controls			9


















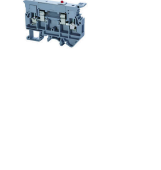
SAMPLE

Summarized Parts List

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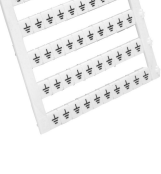


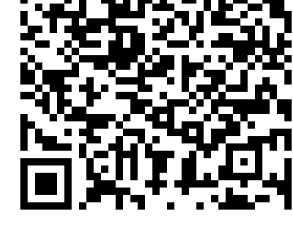

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	2	22 mm Plastic Anti-Rotation Ring Button/Switch Accessory	BACO Controls			10
	1	Push button adapter for DIN rail mounting	Siemens			11
	1	22 mm Black Standard Silence Legend Plate Plastic Insert Button/Switch Accessory	BACO Controls			12
	1	22 mm Black Standard Test Legend Plate Plastic Insert Button/Switch Accessory	BACO Controls			13
	2	3 Position Clip Button/Switch Accessory	BACO Controls			14
	6	1 Normally Open (NO) Screw Terminal Contact Block Button/Switch Accessory	BACO Controls			15
	1	Miniature circuit breaker (MCB), C10/1 pole, NA, labelling	Eaton			16
	1	High voltage 1/4" x 1-1/4" time delay ceramic fuse 500 Vac/250 Vdc Current Rating 5A	Eaton			17
	1	4 sq.mm Fuse Terminal Blocks 35mm DIN Rail Mount Compatible with MDP series fuses	Connectwell Industries			18

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Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	End Plate in Grey colour	Connectwell Industries			19
	43	1" of Cable duct 25 x 40 25 x 40 mm	Phoenix Contact			20
	1	Screw single-level feedthrough terminal block, accepts wire size 26-10 AWG 30A, 35mm DIN rail mount 100kA SCCR w/ correct line side OCP	KONNECT-IT			21
	1	Screw grounding terminal block, accepts wire size 26-10 AWG Green and yellow, 35mm DIN rail mount	KONNECT-IT			22
	1	Single Terminal Block End Cap	KONNECT-IT			23
	1	Terminal Marking Tag 1-50	KONNECT-IT			24
	1	Terminal Marking Tag "GND"	KONNECT-IT			25
	1	Terminal Marking Tag "L"	KONNECT-IT			26
	1	Terminal Marking Tag "N"	KONNECT-IT			27


















SAMPLE

Summarized Parts List

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Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	2	Screw-down end bracket 8mm Wide	KONNECT-IT			28
	1	Laser Label, 1.5" x 3.375"	Precision Digital			29
	1	Poly Adhesive Pocket	Precision Digital			30
	1	UL Enclosure ICP CULUS Label	Precision Digital			31
	1	Demo "PDC" Faceplate Label	Precision Digital			32
	1	Vinyl Label 1.5" X 3.375"	Precision Digital			33
	82	Wire Label 13 X 19	Precision Digital			34
	540	1" of 20 AWG Hook-Up Wire 10/30 White 600V	Alpha Wire			35
	1150	1" of 16 AWG Hook-Up Wire 26/30 Blue 600V	Alpha Wire			36



SAMPLE

Summarized Parts List

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233 South Street

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Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	8" DIN rail	Precision Digital			37

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