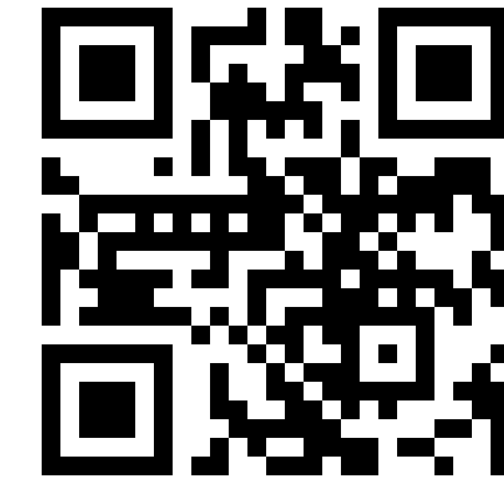




# Precision Digital Corporation

233 South Street  
Hopkinton MA 01748  
Phone (508) 655 - 7300  
Email sales@predig.com



[www.predig.com](http://www.predig.com)

Part Number PDEA-R2PVA7-PL-2F00RH-0-0

SAMPLE

Manufacturer	Precision Digital Corporation	Feed-In Voltage	24VDC
Project Description	Process Value Alarm	Control Voltage	24VDC
Type	Standard Product	Environmental Rating	UL Type 4X
Regulation	UL508A	Short Circuit Current Rating	N/A

Created on 05/18/26

Edit date 05/29/26

by: SLEONARD

Number of pages 10

<b>Creation Date</b> 05/18/26	<b>Creator Name</b> SLEONARD	<b>Specifications:</b> 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	<b>Installation Requirements:</b> 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.	<b>Notes:</b>		<b>Project Name</b> PDEA-R2PVA7-PL-2F00RH-0-0  233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 <a href="http://www.predig.com">www.predig.com</a>	<b>Project Description</b> Process Value Alarm	<b>Document Type</b> Title page / cover sheet	<b>Section Page NO.</b> 1 of 2		
<b>Mod. Date</b> 05/28/26	<b>Mod. Name</b> SLEONARD					<b>Drawing Number</b> DWG-PDEA-R2PVA7-PL-2F00RH-0-0	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Title Page	<b>Project Sheet NO.</b> 1 of 10	<b>REV.</b> B

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Precision Digital Corporation

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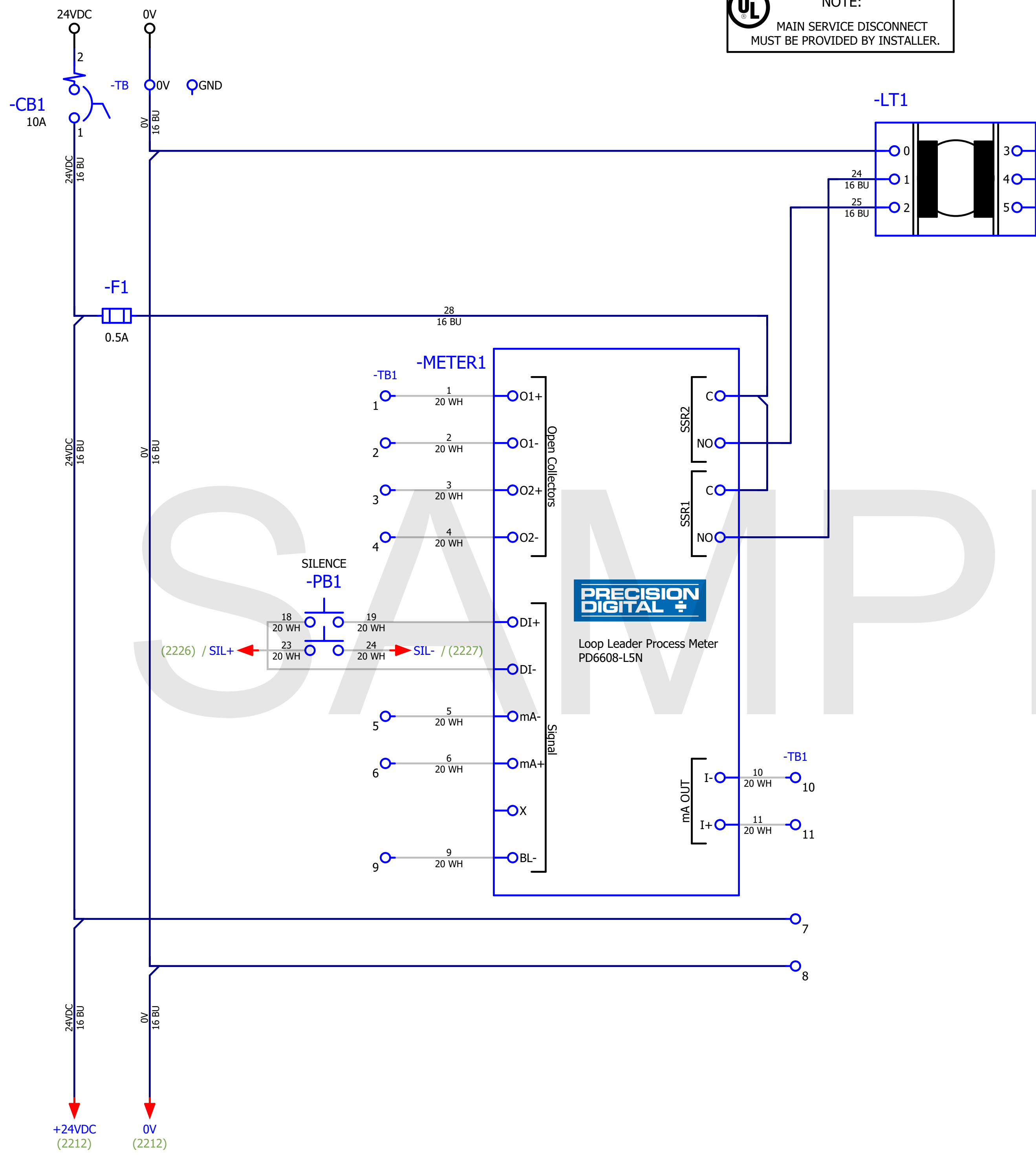
Page	Page Description	Date	Edited By
1	Title Page	05/28/26	SLEONARD
2	Table of Contents	05/29/26	SLEONARD
<b>Electrical Schematic</b>			
3	Internal Panel Wiring	05/29/26	SLEONARD
4	Internal Panel Wiring	05/29/26	SLEONARD
<b>Panel Layout</b>			
5	Subpanel Layout	05/29/26	SLEONARD
6	External Enclosure Layout	05/29/26	SLEONARD
<b>Bill of Materials</b>			
7	Summarized Parts List	05/28/26	SLEONARD
8	Summarized Parts List	05/29/26	SLEONARD
9	Summarized Parts List	05/29/26	SLEONARD
10	Summarized Parts List	05/29/26	SLEONARD

SAMPLE

<b>Creation Date</b> 05/18/26	<b>Creator Name</b> SLEONARD	<b>Specifications:</b> 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	<b>Installation Requirements:</b> 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.	<b>Notes:</b>		<b>Project Name</b> PDEA-R2PVA7-PL-2F00RH-0-0	<b>Project Description</b> Process Value Alarm	<b>Document Type</b> Table of contents	<b>Section Page NO.</b> 2 of 2	
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD					<b>Drawing Number</b> DWG-PDEA-R2PVA7-PL-2F00RH-0-0	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Table of Contents	<b>Project Sheet NO.</b> 2 of 10

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



**NOTES**

1.) LT1 - 24VDC 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: 24 VDC, 5A  
Fuse Spec: UL Listed 250 VDC 0.5A  
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 all other Field Terminals to 3.5 in-lbs.  
Use conduit hubs or fittings with the same environmental rating as the enclosure.

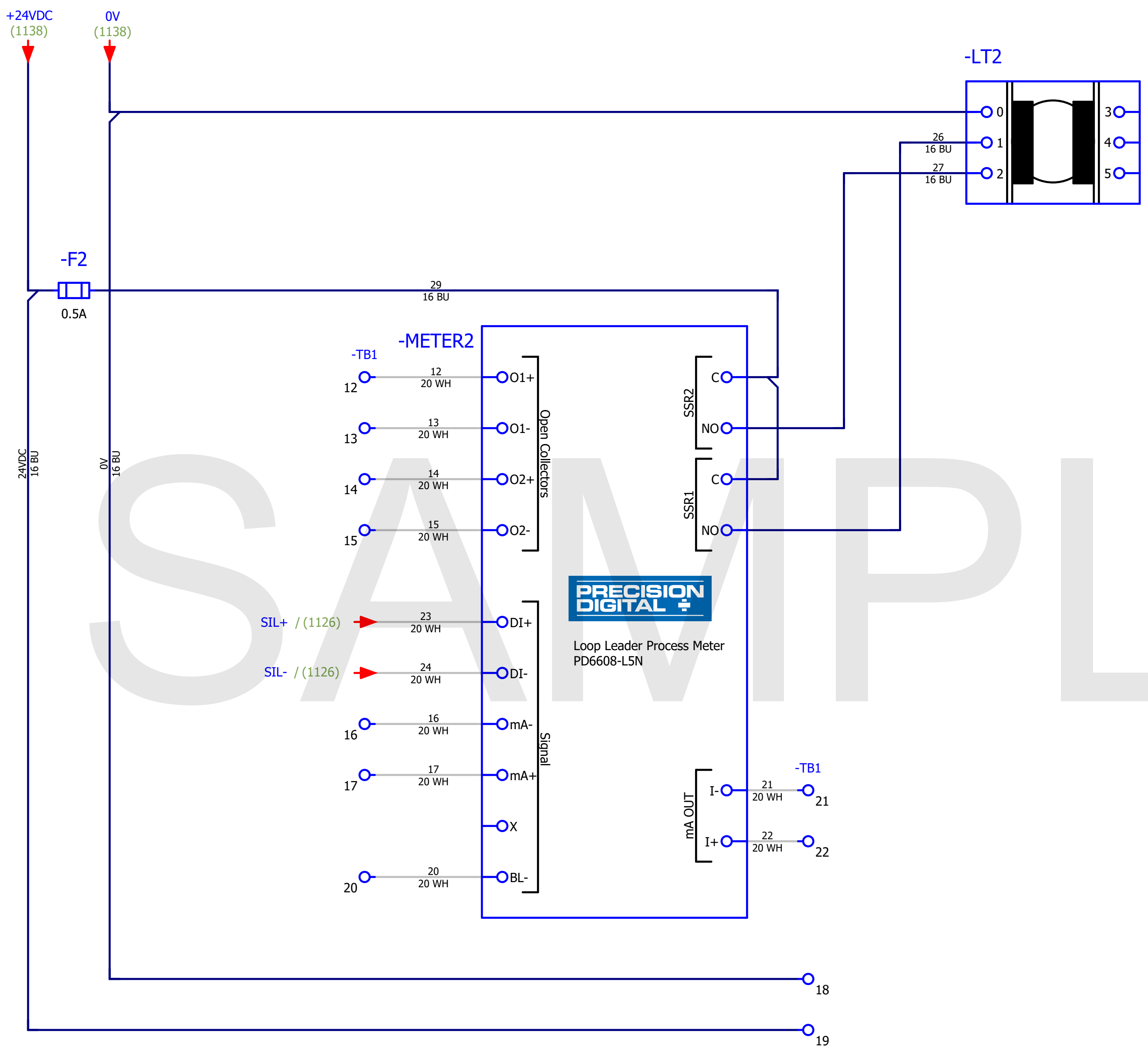
<b>Creation Date</b> 05/18/26	<b>Creator Name</b> SLEONARD	<b>PRECISION DIGITAL</b>	233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 www.predig.com	<b>Project Name</b> PDEA-R2PVA7-PL-2F00RH-0-0	<b>Project Description</b> Process Value Alarm		<b>Document Type</b> Schematic multi-line	<b>Section Page NO.</b> 1 of 2	
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD		<b>Drawing Number</b> DWG-PDEA-R2PVA7-PL-2F00RH-0-0	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Internal Panel Wiring	<b>Project Sheet NO.</b> 3 of 10	<b>REV.</b> B	

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

**NOTES**

1.) LT2 - 24VDC Light Stack Configuration  
Pin 1 = Flashing Red Module  
Pin 2 = Horn Module

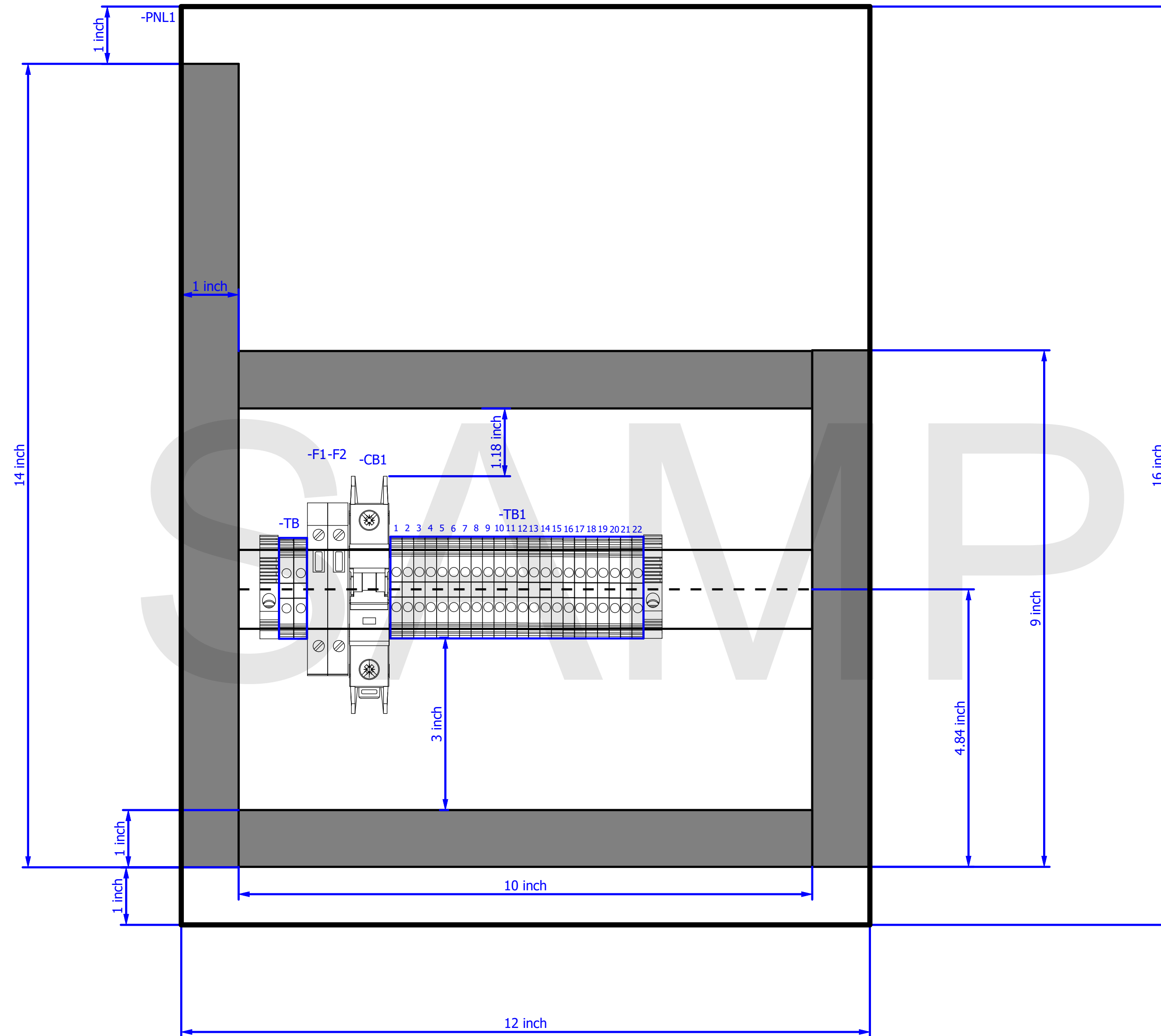


PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL  
NOTE:  
Specifications:  
Class 1 Control Circuit  
Incoming Power: 24 VDC, 5A  
Fuse Spec: UL Listed 250 VDC 0.5A  
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.

<b>Creation Date</b> 05/18/26	<b>Creator Name</b> SLEONARD	<b>PRECISION DIGITAL</b>	233 South Street Hopkinton, MA 01748 Phone: (508) 655-7300 www.predig.com	<b>Project Name</b> PDEA-R2PVA7-PL-2F00RH-0-0	<b>Project Description</b> Process Value Alarm		<b>Document Type</b> Schematic multi-line	<b>Section Page NO.</b> 2 of 2	
<b>Mod. Date</b> 05/29/26	<b>Mod. Name</b> SLEONARD		<b>Drawing Number</b> DWG-PDEA-R2PVA7-PL-2F00RH-0-0	<b>UL Requirement</b> UL508A	<b>Scale</b> 1 : 1	<b>Page Title:</b> Internal Panel Wiring	<b>Project Sheet NO.</b> 4 of 10	<b>REV.</b> B	

NOTES



PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
 Specifications:  
 Class 1 Control Circuit  
 Incoming Power: 24 VDC, 5A  
 Fuse Spec: UL Listed 250 VDC 0.5A  
 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.  
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 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
05/18/26	SLEONARD
Mod. Date	Mod. Name
05/29/26	SLEONARD



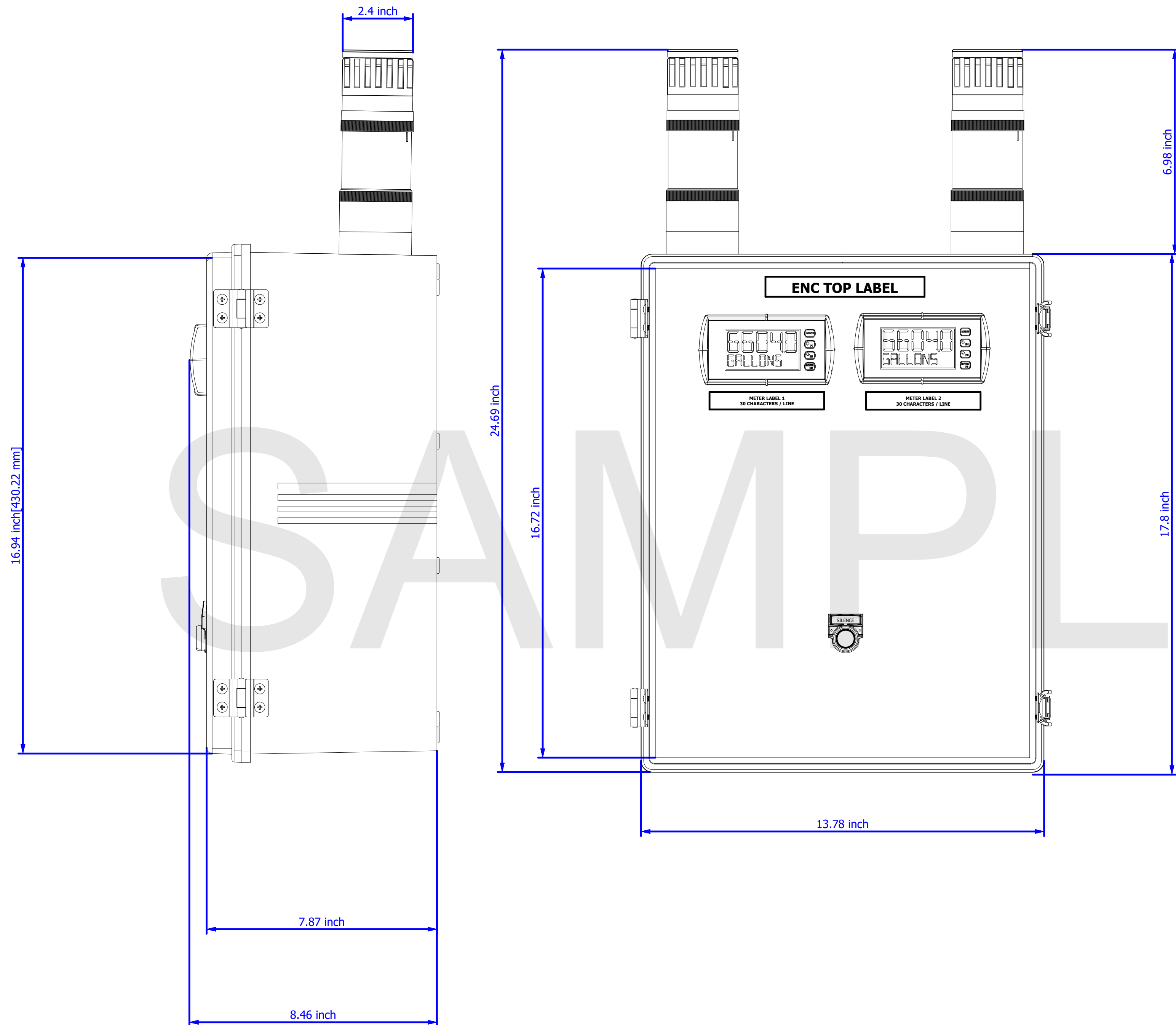
233 South Street  
 Hopkinton, MA 01748  
 Phone: (508) 655-7300  
 www.predig.com

Project Name	Project Description
PDEA-R2PVA7-PL-2F00RH-0-0	Process Value Alarm
Drawing Number	UL Requirement
DWG-PDEA-R2PVA7-PL-2F00RH-0-0	UL508A

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

Project Sheet NO.	REV.
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NOTES



PANEL TO BEAR  
UL508A LABEL

**UL LISTED** UL508A LISTED CONTROL PANEL

NOTE:  
 Specifications:  
 Class 1 Control Circuit  
 Incoming Power: 24 VDC, 5A  
 Fuse Spec: UL Listed 250 VDC 0.5A  
 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.  
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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.

Creation Date	Creator Name
05/18/26	SLEONARD
Mod. Date	Mod. Name
05/29/26	SLEONARD



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Project Name	Project Description
PDEA-R2PVA7-PL-2F00RH-0-0	Process Value Alarm
Drawing Number	UL Requirement
DWG-PDEA-R2PVA7-PL-2F00RH-0-0	UL508A

Document Type	Scale
Panel layout	2 : 5
Page Title:	Section Page NO.
External Enclosure Layout	2 of 2

Project Sheet NO.	REV.
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# Summarized Parts List

Precision Digital Corporation

233 South Street  
Hopkinton MA, 01748


















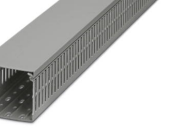
Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
PD6608-L5N	2	Loop Leader Loop-Powered Process Meter Inputs: Current (4-20 mA) Output Options: (2) Open Collectors, (2) SS Relays, mA out	Precision Digital			1
PDA1939	1	Plastic UL Type 4X Enclosure 13.8" x 17.7" x 7.9" (350 mm x 450 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 24 V AC/DC UL 4/4X/13; 90 dB ECO60	Auer Signal			4
	2	YDA LED RED flashing beacon module 24 V AC/DC 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
	1	22 mm Black Flush Momentary Black Bezel Pushbutton NEMA 4X	BACO Controls			9

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	22 mm Plastic Anti-Rotation Ring Button/Switch Accessory	BACO Controls			10
	1	22 mm Black Standard Silence Legend Plate Plastic Insert Button/Switch Accessory	BACO Controls			11
	1	3 Position Clip Button/Switch Accessory	BACO Controls			12
	2	1 Normally Open (NO) Screw Terminal Contact Block Button/Switch Accessory	BACO Controls			13
	1	Miniature circuit breaker (MCB), C10/1 pole, NA, labelling	Eaton			14
	2	High voltage 1/4" x 1-1/4" time delay ceramic fuse 500 Vac/250 Vdc Current Rating 0.5A	Eaton			15
	2	4 sq.mm Fuse Terminal Blocks 35mm DIN Rail Mount Compatible with MDP series fuses	Connectwell Industries			16
	2	End Plate in Grey colour	Connectwell Industries			17
	38	1" of Cable duct 25 x 40 25 x 40 mm	Phoenix Contact			18




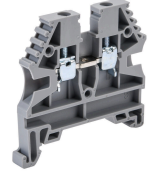



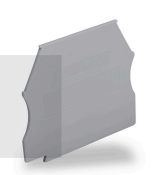





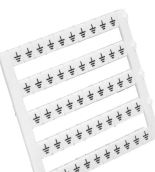




SAMPLE

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	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			19
	22	Screw single-level feedthrough terminal block, accepts wire size 26-12 AWG 20A, 35mm DIN rail mount 100kA SCCR w/ correct line side OCP	KONNECT-IT			20
	1	Screw grounding terminal block, accepts wire size 26-10 AWG Green and yellow, 35mm DIN rail mount	KONNECT-IT			21
	1	Single Terminal Block End Cap	KONNECT-IT			22
	1	Terminal Marking Tag 1-50	KONNECT-IT			23
	2	Terminal Marking Tag Blank	KONNECT-IT			24
	1	Terminal Marking Tag "GND"	KONNECT-IT			25
	2	Screw-down end bracket 8mm Wide	KONNECT-IT			26
	1	Laser Label, 1.5" x 3.375"	Precision Digital			27

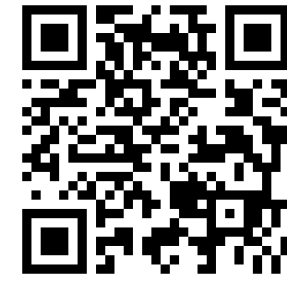

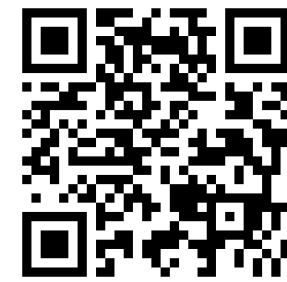













SAMPLE

# Summarized Parts List

Precision Digital Corporation

233 South Street

Hopkinton MA, 01748

Part Number	Quantity	Description	Manufacturer	Document	Picture	Pos.
	1	Poly Adhesive Pocket	Precision Digital			28
	1	Vinyl Label 1.5" X 3.375"	Precision Digital			29
	1	UL Enclosure ICP CULUS Label	Precision Digital			30
	1	Demo "PDC" Faceplate Label	Precision Digital			31
	1	Wire Label 13 X 19	Precision Digital			32
	660	1" of 20 AWG Hook-Up Wire 10/30 White 600V	Alpha Wire			33
	650	1" of 16 AWG Hook-Up Wire 26/30 Blue 600V	Alpha Wire			34
	1	8" DIN rail	Precision Digital			35

SAMPLE