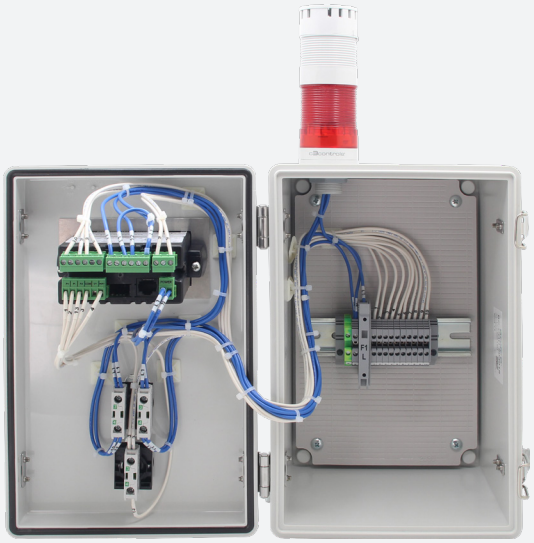
PDEA-PVA Pronto Process Value Alarm Enclosure Assemblies

Data Sheet



PDEA-A1PVA6-PL-1F00RH-H-D Shown

Pronto

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Enclosed Industrial Control Panel

FEATURES

- **UL/C-UL Enclosed Industrial Control Panel**
- **UL/C-UL 508A Listed Panel Shop E542864**
- **Fully Assembled and Pre-Wired**
- **UL Type 4X / NEMA 4X Plastic or Stainless Steel Enclosure**
- **Up to 6 Compatible Panel Meters**
- **Up to 2 Alarm Annunciators**
- **1 Silence Button**
- **Screw Terminal Blocks**
- **Wiring Diagram for Easy Reference**

OPTIONS

- **Up to 2 Green Lights, Flashing or Steady**
- **Up to 2 Yellow Lights, Flashing or Steady**
- **Up to 2 Red Lights, Flashing or Steady**
- **Up to 2 85-100 dB Horns**
- **DIN Rail or Door Mounted Test Button**
- **UL/C-UL Listed Sun Hoods Ensure Meter Readability**

CUSTOM LABELS

The PDEA-PVA Pronto Process Value Alarm Enclosure Assemblies come complete with multiple labels, including (1) general enclosure label, (1) label for each panel meter, and (1) label for each annunicator (if included). Click here to create these labels.

OVERVIEW

The PDEA-PVA Pronto Process Value Alarm Enclosure Assemblies from Precision Digital are a series of build configurations designed to suit a variety of common applications. These assemblies are perfect for tank fill port areas, remote gas detection stations or any other process value alarm requirement.

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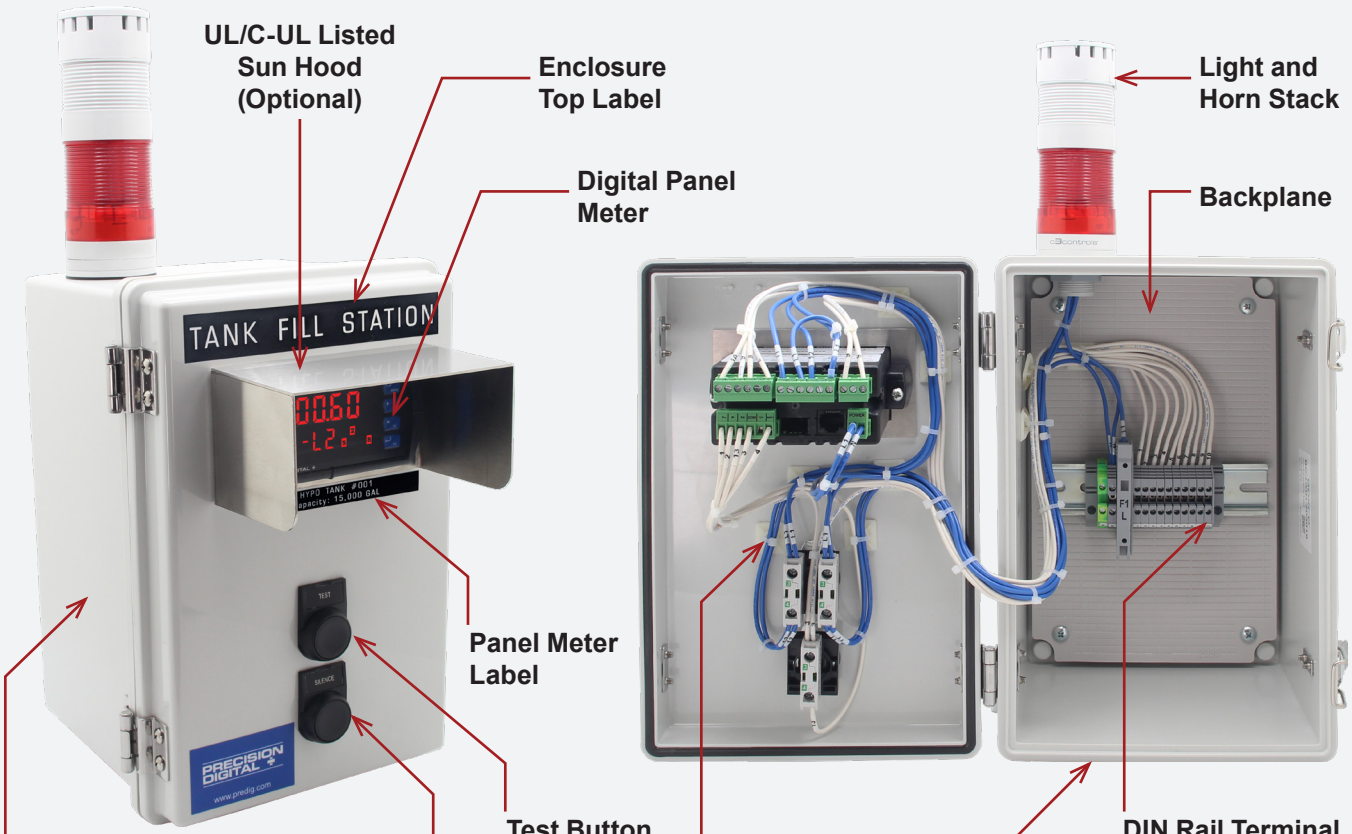
Enclosed Industrial Control Panel

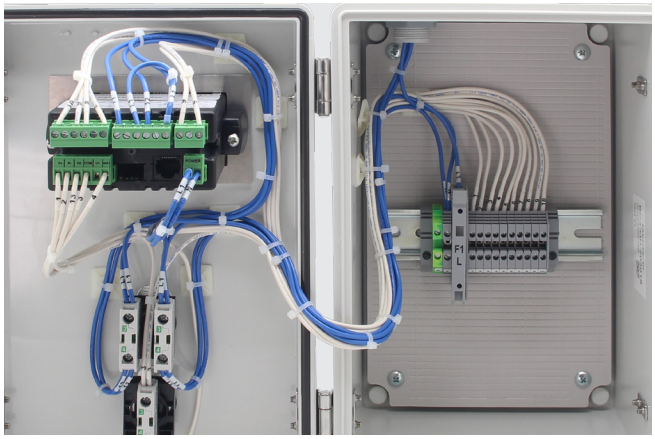


Available with numerous digital panel meter models, the UL/C-UL Enclosed Industrial Control Panel in a plastic or stainless steel enclosure will receive between 1-12 process signals, display the information in any engineering units, then provide relay and retransmission outputs. The appropriate relays are pre-wired to control the included light and horn tower as needed; the process inputs, retransmissions and extra relays are pre-wired to DIN rail terminal blocks for easy user connection.

Alarm labels and statuses are indicated on the Annunciator panel meters with a single silence button used to silence the horn.

An optional test button can be DIN rail or door mounted to test the operation of the light and horn tower during regular inspection. Optional UL/C-UL Listed sun hoods provide shade for 1/8 DIN digital panel meters, ensuring optimal readability in direct sunlight. Drilling conduit entries, mounting to a wall, and making field connections are the only user requirements.

Key Features



UL/C-UL Enclosed Industrial Control Panel

Wiring of all components to DIN rail terminal blocks is provided for easy user integration into existing systems.

Light and Horn Tower

Add visible and audible ways to indicate alarms with the optional light and horn tower options.

Custom Labels

The PDEA-PVA Pronto Process Value Alarm Enclosure Assemblies come complete with multiple labels, including (1) general enclosure label, (1) label for each panel meter, and (1) label for each annunicator (if included). Click here to create these labels.

Sun Hood Available

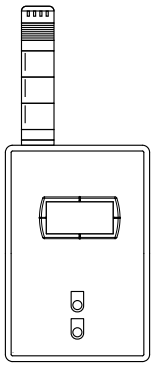
The optional UL/C-UL Listed sun hood improves the readability of 1/8 DIN digital panel meters when they are mounted in direct sunlight by shading the instrument from the sun. This option provides a sun hood for each panel meter in the build. Sun hoods are not compatible with annunciators.

MODELS AVAILABLE

One Meter Assemblies

(1) Meter + (1) Light and Horn Tower

Up to (3) Light Colors per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter
0: None

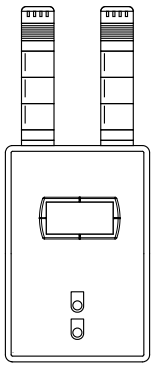
PDEA– [ ] 1PVA [ ] – [ ] – 1 [ ] [ ] [ ] [ ] [ ] – [ ] – [ ] **Test Button***

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: A – S only (PROVU, Trident X2, Loop Leader)

** See ordering information for detailed options*

(1) Dual Input Meter + (2) Light and Horn Towers

Up to (3) Light Colors per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter
0: None

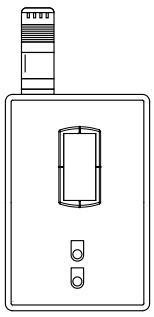
PDEA– [ ] 1PVA [ ] – [ ] – 2 [ ] [ ] [ ] [ ] [ ] – [ ] – [ ] **Test Button***

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: C, G, F, G, J, or L only (PROVU Dual Input)

** See ordering information for detailed options*

(1) Annunciator + (1) Light and Horn Tower

(1) Light Color Max



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
0: None

PDEA– [ ] 1PVA [ ] – [ ] – 1 [ ] [ ] [ ] [ ] [ ] – [ ] – [ ] **Test Button***

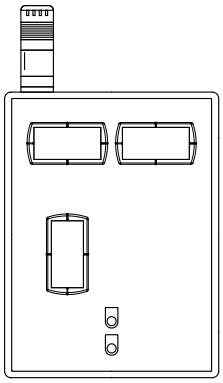
Horn: H or 0 (None)
Green Light: G 0 0
Yellow Light: 0 Y 0
Red Light: 0 0 R
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: T or U only (Vigilante II)

** See ordering information for detailed options*

Two Meter Assemblies

(2) Meters, + (1) Light and Horn Tower

(1) Light Color Max, and (1) 4-Point Annunciator Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

PDEA– ☐ 2PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Horn: H or 0 (None)

Power Options
6: 120 VAC
7: 24 VDC

Green Light: G 0 0
Yellow Light: 0 Y 0
Red Light: 0 0 R

Light Functions:
S (Steady), F (Flashing), or 0 (None)

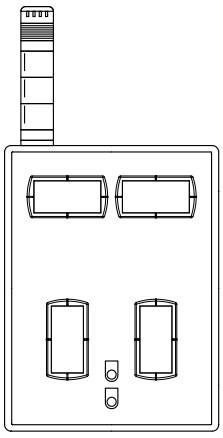
Meter Types*: A – S only (PROVU, Trident X2, Loop Leader)

** See ordering information for detailed options*

*** Sun hood not available for annunciator*

(2) Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 4-Point Annunciators Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

PDEA– ☐ 2PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Horn: H or 0 (None)

Red Light: R or 0 (None)

Yellow Light: Y or 0 (None)

Green Light: G or 0 (None)

Power Options
6: 120 VAC
7: 24 VDC

Light Functions:
S (Steady), F (Flashing), or 0 (None)

Meter Types*: A – S only (PROVU, Trident X2, Loop Leader)

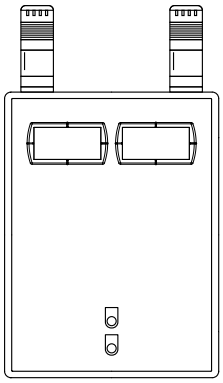
** See ordering information for detailed options*

*** Sun hood not available for annunciators*

Two Meter Assemblies - Continued

(2) Trident X2 / Loop Leader Meters + (2) Light and Horn Towers

(1) Light Color Max per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter
0: None

PDEA– ☐ 2PVA ☐ – ☐ – 2 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Horn: H or 0 (None)

Power Options
6: 120 VAC
7: 24 VDC

Green Light: G 0 0
Yellow Light: 0 Y 0
Red Light: 0 0 R

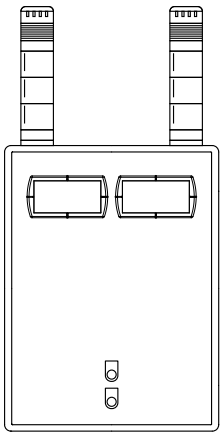
Light Functions:
S (Steady), F (Flashing), or 0 (None)

Meter Types*: O – S only (Trident X2 / Loop Leader)

** See ordering information for detailed options*

(2) ProVu Meters + (2) Light and Horn Towers

Up to (3) Light Colors per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter
0: None

PDEA– ☐ 2PVA ☐ – ☐ – 2 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)

Power Options
6: 120 VAC
7: 24 VDC

Light Functions:
S (Steady), F (Flashing), or 0 (None)

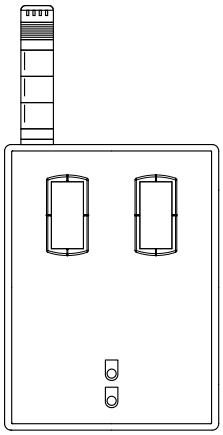
Meter Types*: A – N only (ProVu)

** See ordering information for detailed options*

Two Meter Assemblies - Continued

(2) Annunciators + (1) Light and Horn Tower

Up to (3) Light Colors per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
0: None

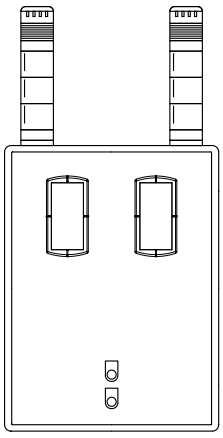
PDEA– [ ] 2PVA [ ] – [ ] – 1 [ ][ ][ ][ ][ ] – [ ] – [ ] **Test Button***

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: T or U only (Vigilante II)

** See ordering information for detailed options*

(2) Annunciators + (2) Light and Horn Towers

Up to (3) Light Colors per Tower



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
0: None

PDEA– [ ] 2PVA [ ] – [ ] – 2 [ ][ ][ ][ ][ ] – [ ] – [ ] **Test Button***

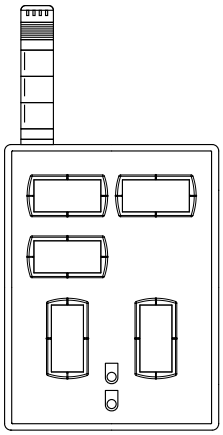
Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: T or U only (Vigilante II)

** See ordering information for detailed options*

Three Meter Assemblies

(3) Single Input Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 4-Point Annunciators Included.



PDEA– ☐ 3PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

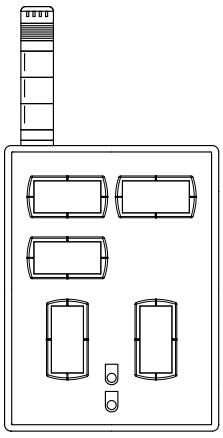
Power Options
6: 120 VAC
7: 24 VDC

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Meter Types*: A, B, H, I, K, N, O, P, Q, R, or S (Single Input Meters)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

(3) Dual Input Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 8-Point Annunciators Included



PDEA– ☐ 3PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

Power Options
6: 120 VAC
7: 24 VDC

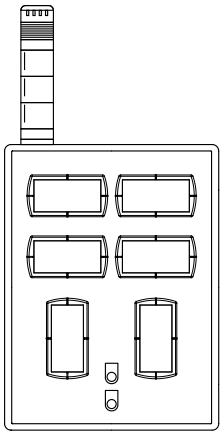
Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Meter Types*: C, F, G, J, or L (Dual Input Meters)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

Four Meter Assemblies

(4) Single Input Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 4-Point Annunciators Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

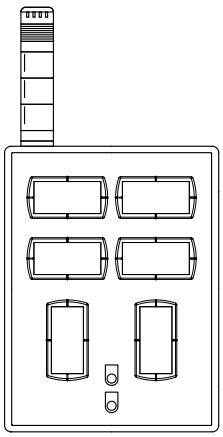
PDEA– [ ] 4PVA [ ] – [ ] – 1 [ ][ ][ ][ ][ ] – [ ] – [ ] **Test Button***

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: A, B, H, I, K, N, O, P, Q, R, or S (Single Input Meters)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

(4) Dual Input Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 8-Point Annunciators Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

PDEA– [ ] 4PVA [ ] – [ ] – 1 [ ][ ][ ][ ][ ] – [ ] – [ ] **Test Button***

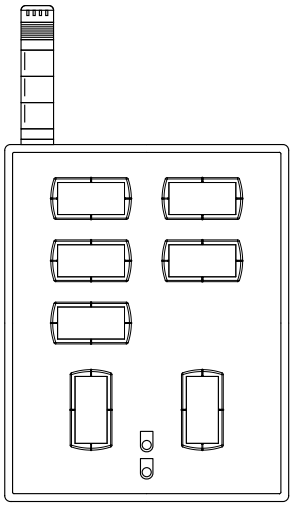
Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions: S (Steady), F (Flashing), or 0 (None)
Power Options
6: 120 VAC
7: 24 VDC
Meter Types*: C, F, G, J, or L (Dual Input Meters)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

Five Meter Assemblies

(5) Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 8-Point Annunciators Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

PDEA– ☐ 5PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Power Options
6: 120 VAC
7: 24 VDC

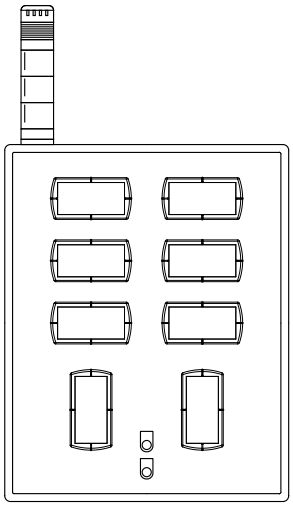
Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions:
S (Steady), F (Flashing), or 0 (None)
Meter Types*: A – S only (PROVU, Trident X2, Loop Leader)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

Six Meter Assemblies

(6) Meters + (1) Light and Horn Tower

Up to (3) Light Colors per Tower, and up to (2) 8-Point Annunciators Included.



Enclosure Material
PL: Plastic
SS: Stainless Steel

Sun Hood
H: One per meter**
0: None

PDEA– ☐ 6PVA ☐ – ☐ – 1 ☐☐☐☐☐ – ☐ – ☐ **Test Button***

Power Options
6: 120 VAC
7: 24 VDC

Horn: H or 0 (None)
Red Light: R or 0 (None)
Yellow Light: Y or 0 (None)
Green Light: G or 0 (None)
Light Functions:
S (Steady), F (Flashing), or 0 (None)
Meter Types*: A – S only (PROVU, Trident X2, Loop Leader)

** See ordering information for detailed options*
*** Sun hood not available for annunciators*

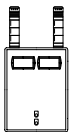
DIMENSIONS & WEIGHTS

One Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_1PVA(6 or 7)*-PL-1F00RH-0-0	PL	1	1	0	0	7.9 x 17.7 x 7.7 (201 x 450 x 196)	5.2 (2.4)
	PDEA-_1PVA(6 or 7)*-PL-1F00RH-H-D	PL	1	1	0	1	7.9 x 17.7 x 10.1 (201 x 450 x 257)	6.0 (2.7)
	PDEA-_1PVA(6 or 7)*-SS-1F00RH-0-0	SS	1	1	0	0	10.0 x 18.1 x 8.6 (254 x 457 x 218)	18.0 (8.2)
	PDEA-_1PVA(6 or 7)*-SS-1F00RH-H-D	SS	1	1	0	1	10.0 x 18.1 x 11.0 (254 x 457 x 279)	18.9 (8.6)
	PDEA-_1PVA(6 or 7)*-PL-1FGYRH-0-0	PL	1	3	0	0	7.9 x 22.0 x 7.7 (201 x 559 x 196)	5.7 (2.6)
	PDEA-_1PVA(6 or 7)*-PL-1FGYRH-H-D	PL	1	3	0	1	7.9 x 22.0 x 10.1 (201 x 559 x 257)	6.5 (2.9)
	PDEA-_1PVA(6 or 7)*-SS-1FGYRH-0-0	SS	1	3	0	0	10.0 x 22.3 x 8.6 (254 x 566 x 218)	18.5 (8.4)
	PDEA-_1PVA(6 or 7)*-SS-1FGYRH-H-D	SS	1	3	0	1	10.0 x 22.3 x 11.0 (254 x 566 x 279)	19.4 (8.8)

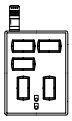
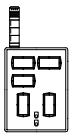
* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

Two Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_2PVA(6 or 7)*-PL-2F00RH-0-0	PL	2	1	0	0	13.8 x 23.6 x 8.5 (351 x 599 x 216)	9.9 (4.5)
	PDEA-_2PVA(6 or 7)*-PL-2F00RH-H-D	PL	2	1	0	2	13.8 x 23.6 x 10.9 (351 x 599 x 277)	11.7 (5.3)
	PDEA-_2PVA(6 or 7)*-SS-2F00RH-0-0	SS	2	1	0	0	16.0 x 28.2 x 9.8 (406 x 716 x 249)	41.5 (18.8)
	PDEA-_2PVA(6 or 7)*-SS-2F00RH-H-D	SS	2	1	0	2	16.0 x 28.2 x 12.2 (406 x 716 x 310)	43.3 (19.6)
	PDEA-_2PVA(6 or 7)*-PL-2FGYRH-0-0	PL	2	3	0	0	13.8 x 27.9 x 8.5 (351 x 709 x 216)	10.4 (4.7)
	PDEA-_2PVA(6 or 7)*-PL-2FGYRH-H-D	PL	2	3	0	2	13.8 x 27.9 x 10.9 (351 x 709 x 277)	12.2 (5.5)
	PDEA-_2PVA(6 or 7)*-SS-2FGYRH-0-0	SS	2	3	0	0	16.0 x 32.5 x 9.8 (406 x 826 x 249)	42.0 (19.1)
	PDEA-_2PVA(6 or 7)-SS-2FGYRH-H-D	SS	2	3	0	2	16.0 x 32.5 x 12.2 (406 x 826 x 310)	43.8 (19.8)

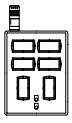
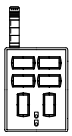
* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

Three Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_3PVA(6 or 7)*-PL-1F00RH-0-0	PL	1	1	2	0	13.8 x 23.6 x 8.5 (351 x 599 x 216)	14.4 (6.5)
	PDEA-_3PVA(6 or 7)*-PL-1F00RH-H-D	PL	1	1	2	3	13.8 x 23.6 x 10.9 (351 x 599 x 277)	17.0 (7.7)
	PDEA-_3PVA(6 or 7)*-SS-1F00RH-0-0	SS	1	1	2	0	16.0 x 28.2 x 9.8 (406 x 716 x 249)	46.0 (20.9)
	PDEA-_3PVA(6 or 7)*-SS-1F00RH-H-D	SS	1	1	2	3	16.0 x 28.2 x 12.2 (406 x 716 x 310)	48.6 (22.1)
	PDEA-_3PVA(6 or 7)*-PL-1FGYRH-0-0	PL	1	3	2	0	13.8 x 27.9 x 8.5 (351 x 709 x 216)	15.9 (7.2)
	PDEA-_3PVA(6 or 7)*-PL-1FGYRH-H-D	PL	1	3	2	3	13.8 x 27.9 x 10.9 (351 x 709 x 277)	17.5 (7.9)
	PDEA-_3PVA(6 or 7)*-SS-1FGYRH-0-0	SS	1	3	2	0	16.0 x 32.5 x 9.8 (406 x 826 x 249)	46.5 (21.1)
	PDEA-_3PVA(6 or 7)-SS-1FGYRH-H-D	SS	1	3	2	3	16.0 x 32.5 x 12.2 (406 x 826 x 310)	49.1 (22.3)

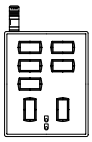
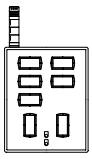
* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

Four Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_4PVA(6 or 7)*-PL-1F00RH-0-0	PL	1	1	2	0	13.8 x 23.6 x 8.5 (351 x 599 x 216)	15.9 (7.2)
	PDEA-_4PVA(6 or 7)*-PL-1F00RH-H-D	PL	1	1	2	4	13.8 x 23.6 x 10.9 (351 x 599 x 277)	19.4 (8.8)
	PDEA-_4PVA(6 or 7)*-SS-1F00RH-0-0	SS	1	1	2	0	16.0 x 28.2 x 9.8 (406 x 716 x 249)	47.5 (21.5)
	PDEA-_4PVA(6 or 7)*-SS-1F00RH-H-D	SS	1	1	2	4	16.0 x 28.2 x 12.2 (406 x 716 x 310)	51.0 (23.1)
	PDEA-_4PVA(6 or 7)*-PL-1FGYRH-0-0	PL	1	3	2	0	13.8 x 27.9 x 8.5 (351 x 709 x 216)	16.4 (7.4)
	PDEA-_4PVA(6 or 7)*-PL-1FGYRH-H-D	PL	1	3	2	4	13.8 x 27.9 x 10.9 (351 x 709 x 277)	19.9 (9.0)
	PDEA-_4PVA(6 or 7)*-SS-1FGYRH-0-0	SS	1	3	2	0	16.0 x 32.5 x 9.8 (406 x 826 x 249)	48.0 (21.8)
	PDEA-_4PVA(6 or 7)-SS-1FGYRH-H-D	SS	1	3	2	4	16.0 x 32.5 x 12.2 (406 x 826 x 310)	51.5 (23.4)

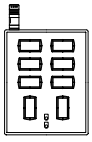
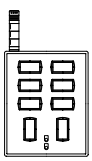
* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

Five Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_5PVA(6 or 7)*-PL-1F00RH-0-0	PL	1	1	2	0	15.8 x 25.6 x 8.5 (401 x 650 x 216)	19.8 (9.0)
	PDEA-_5PVA(6 or 7)*-PL-1F00RH-H-D	PL	1	1	2	5	15.8 x 25.6 x 10.9 (401 x 650 x 277)	24.1 (10.9)
	PDEA-_5PVA(6 or 7)*-SS-1F00RH-0-0	SS	1	1	2	0	20.0 x 32.2 x 9.8 (508 x 818 x 249)	72.0 (32.7)
	PDEA-_5PVA(6 or 7)*-SS-1F00RH-H-D	SS	1	1	2	5	20.0 x 32.2 x 12.2 (508 x 818 x 310)	76.4 (34.6)
	PDEA-_5PVA(6 or 7)*-PL-1FGYRH-0-0	PL	1	3	2	0	15.8 x 29.9 x 8.5 (401 x 759 x 216)	20.3 (9.2)
	PDEA-_5PVA(6 or 7)*-PL-1FGYRH-H-D	PL	1	3	2	5	15.8 x 29.9 x 10.9 (401 x 759 x 277)	24.6 (11.2)
	PDEA-_5PVA(6 or 7)*-SS-1FGYRH-0-0	SS	1	3	2	0	20.0 x 36.5 x 9.8 (508 x 927 x 249)	72.5 (32.9)
	PDEA-_5PVA(6 or 7)-SS-1FGYRH-H-D	SS	1	3	2	5	20.0 x 36.5 x 12.2 (508 x 927 x 310)	76.9 (34.9)

* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

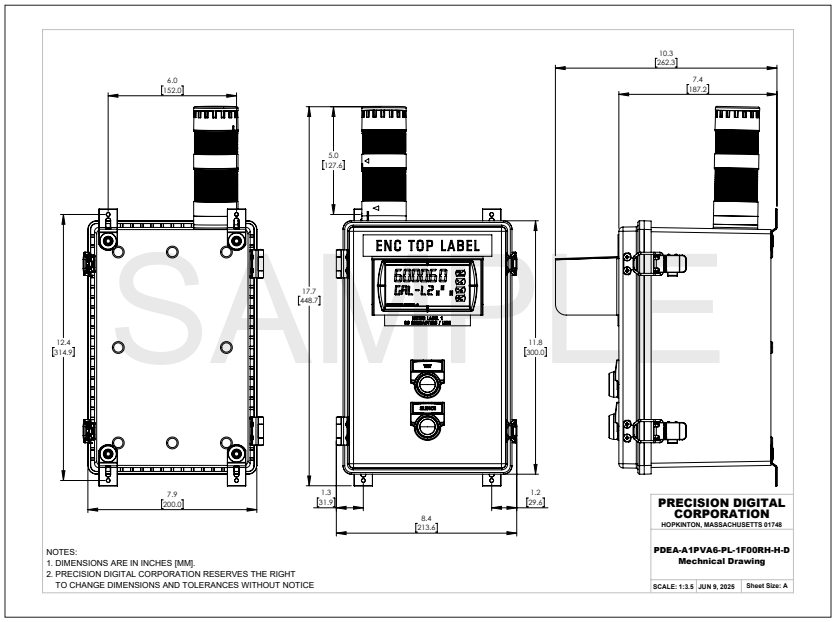
Six Meter Assemblies

	Part Number	Enclosure**	Light Towers	Lights per Tower	Annuciators	Sun Hoods	Overall Dimensions (W x H x D) Inch (mm)	Weight lbs (kg)
	PDEA-_6PVA(6 or 7)*-PL-1F00RH-0-0	PL	1	1	2	0	15.8 x 25.6 x 8.5 (401 x 650 x 216)	21.3 (9.7)
	PDEA-_6PVA(6 or 7)*-PL-1F00RH-H-D	PL	1	1	2	6	15.8 x 25.6 x 10.9 (401 x 650 x 277)	26.5 (12.0)
	PDEA-_6PVA(6 or 7)*-SS-1F00RH-0-0	SS	1	1	2	0	20.0 x 32.2 x 9.8 (508 x 818 x 249)	73.5 (33.3)
	PDEA-_6PVA(6 or 7)*-SS-1F00RH-H-D	SS	1	1	2	6	20.0 x 32.2 x 12.2 (508 x 818 x 310)	78.8 (35.7)
	PDEA-_6PVA(6 or 7)*-PL-1FGYRH-0-0	PL	1	3	2	0	15.8 x 29.9 x 8.5 (401 x 759 x 216)	21.8 (9.9)
	PDEA-_6PVA(6 or 7)*-PL-1FGYRH-H-D	PL	1	3	2	6	15.8 x 29.9 x 10.9 (401 x 759 x 277)	27.0 (12.2)
	PDEA-_6PVA(6 or 7)*-SS-1FGYRH-0-0	SS	1	3	2	0	20.0 x 36.5 x 9.8 (508 x 927 x 249)	74.0 (33.6)
	PDEA-_6PVA(6 or 7)*-SS-1FGYRH-H-D	SS	1	3	2	6	20.0 x 36.5 x 12.2 (508 x 927 x 310)	79.3 (35.9)

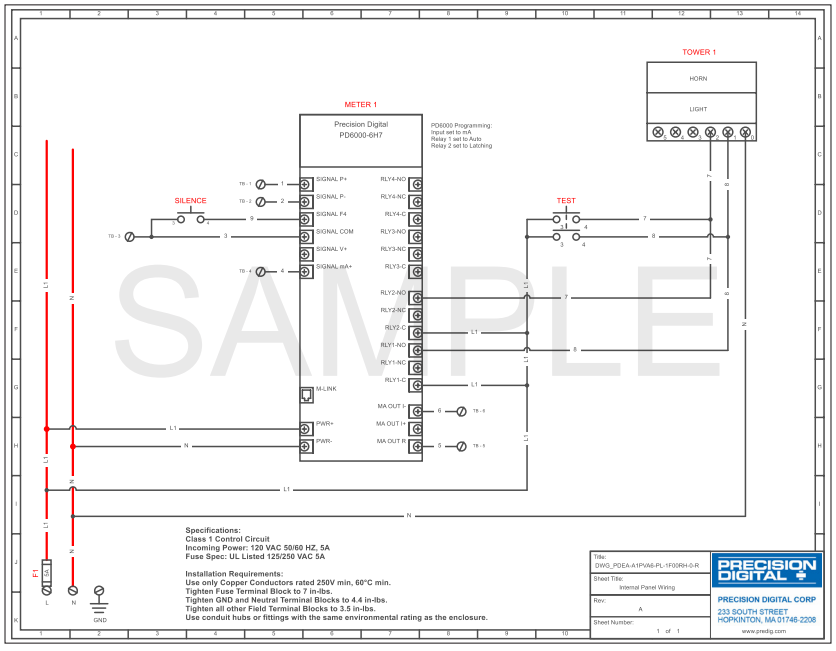
* 6: 120 VAC power; 7: 24 VDC power
** PL: Plastic; SS: Type 304 Stainless Steel

DRAWINGS

- Mechanical and Electrical drawings provided with each unit
- Mechanical drawing shows all external and mounting dimensions needed
- Electrical drawing shows all internal connections, specifications and installation requirements



External and Mounting Dimensions Drawing



Electrical Drawing

CUSTOM LABELS

What's Included

The PDEA-PVA Pronto Process Value Alarm Enclosure Assemblies come complete with multiple labels. These labels include:

- (1) General Enclosure Label
- (1) Label for Each Panel Meter
- (1) Label for Each Annunicator (if included)

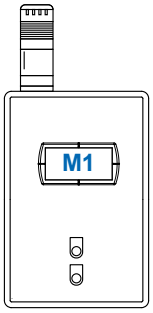
Click here to create these labels.

Note: Custom label options available upon request.

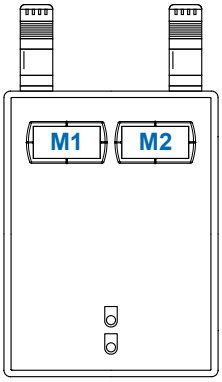
Instruments Positioning Guide

Instruments are installed in the enclosure from left to right, top to bottom, as shown below.

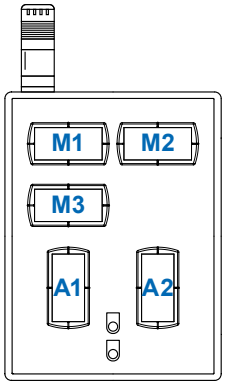
One Meter



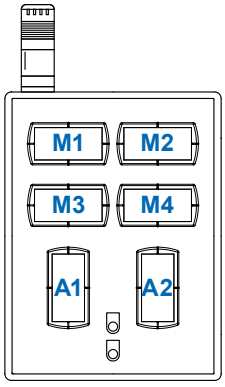
Two Meters



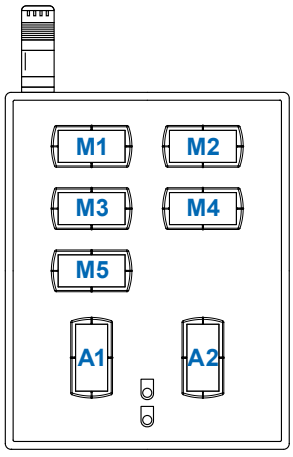
Three Meters



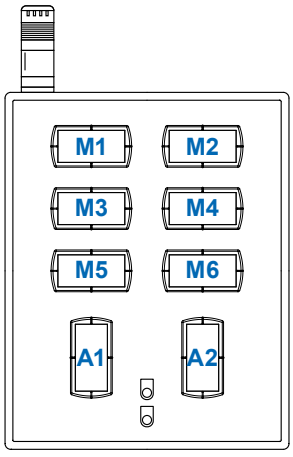
Four Meter



Five Meters



Six Meters



WIRING INFORMATION

All builds use standard wiring, though panel meter programs and light/horn setups vary by application. Tower lights are cascaded so only one is on at a time. If there is only one light, it will turn on when an alarm occurs. If there are two lights, they will turn on when low and low-low or high and high-high alarms occur. If there are three lights, the lower light is on during normal conditions; the middle and upper lights turn on during low and low-low or high and high-high alarm conditions.

Light relay set / reset points should not allow gaps between normal operation, low and low-low or high and high-high statuses. Light relays should be set for automatic function. Horns are wired to separate relays from lights so they can be silenced independently and allow the lights to stay on. The same horn may be wired to multiple relays to cause it to be turned on at multiple alarm points. Horns should be configured to turn on / off at the same set / reset points as the lights they are associated with. Horn relays should be set for a latching or manually resettable function type.

The above function is true regardless of whether the lights and horns are controlled directly via the panel meter(s) or through annunciator(s). If annunciators are present, relay 1 on all panel meters should be configured for either low or high alarms and relay 2 on all panel meters should be configured for either low-low or high-high alarms. These relays should be configured for automatic function. Annunciator 1 hosts the low or high alarms and Annunciator 2 hosts the low-low or high-high alarms. Annunciator relay 2 controls lights and relay 1 controls horns. Annunciator relays do not have to be configured.

The silence button connects to the Annunciator ACK position if present or F4 on the panel meter(s) and will silence all horns included. The test button, if present, is wired in parallel to all lights and horns and will turn all of them on momentarily when pressed. Custom configurations are available upon request.

(1) Panel Meter, (1) Tower

(1) Light

Panel Meter 1 relay 1 controls the light.

(1) Light and (1) Horn

Panel Meter 1 relay 1 controls the light and relay 2 controls the horn.

(2) Lights

Panel Meter 1 relay 1 controls the lower light and relay 2 controls the upper light.

(2) Lights and (1) Horn

Panel Meter 1 relay 1 controls the lower light, relay 2 controls the upper light, relay 3 controls the horn and relay 4 also controls the horn. Relay 1 and relay 3 set / reset points should match, relay 2 and relay 4 set / reset points should match.

(3) Lights

The lower light is on during normal conditions. Panel Meter 1 relay 1 controls the middle light and relay 2 controls the upper light.

(3) Lights and (1) Horn

The lower light is on during normal conditions. Panel Meter 1 relay 1 controls the middle light, relay 2 controls the upper light, relay 3 controls the horn and relay 4 also controls the horn. Relay 1 and relay 3 set / reset points should match, relay 2 and relay 4 set / reset points should match.

(2) Panel Meters, (2) Towers

(1) Light

Panel Meter 1 relay 1 controls the left tower light and Panel Meter 2 relay 1 controls the right tower light.

(1) Light and (1) Horn

Panel Meter 1 controls the left tower and Panel Meter 2 controls the right tower. Relay 1 on each panel meter controls the light and relay 2 controls the horn.

(2) Lights

Panel Meter 1 controls the left tower and Panel Meter 2 controls the right tower. Relay 1 on each panel meter controls the lower light and relay 2 controls the upper light.

(2) Lights and (1) Horn

Panel Meter 1 controls the left tower and Panel Meter 2 controls the right tower. Relay 1 on each panel meter controls the lower light and relay 2 controls the upper light. Relay 3 on each panel meter controls the horn and relay 4 on each panel meter also controls the horn. Relay 1 and relay 3 set / reset points should match, relay 2 and relay 4 set / reset points should match.

(3) Lights

Panel Meter 1 controls the left tower and Panel Meter 2 controls the right tower. The lower light is on during normal conditions. Relay 1 on each panel meter controls the middle light and relay 2 controls the upper light.

(3) Lights and (1) Horn

Panel Meter 1 controls the left tower and Panel Meter 2 controls the right tower. The lower light is on during normal conditions. Relay 1 on each panel meter controls the middle light and relay 2 controls the upper light. Relay 3 controls the horn and relay 4 also controls the horn. Relay 1 and relay 3 set / reset points should match, relay 2 and relay 4 set / reset points should match.

(2-6) Panel Meters, (1) Tower

(1) Light

Relay 1 from all Panel Meters is wired to Annunciator 1 input which controls the light with Annunciator 1 relay 2.

(1) Light and (1) Horn

Relay 1 on all Panel Meters is wired to Annunciator 1 input which controls the light with Annunciator 1 relay 2 and the horn with Annunciator 1 relay 1.

(2) Lights

Relay 1 on all Panel Meters is wired to Annunciator 1 inputs and relay 2 on all Panel Meters is wired to Annunciator 2 inputs. Annunciator 1 relay 2 controls the lower light and Annunciator 2 relay 2 controls the upper light.

(2) Lights and (1) Horn

Relay 1 on all Panel Meters is wired to Annunciator 1 inputs and relay 2 on all Panel Meters is wired to Annunciator 2 inputs. Annunciator 1 relay 2 controls the lower light and Annunciator 2 relay 2 controls the upper light. Annunciator 1 relay 1 controls the horn and Annunciator 2 relay 1 also controls the horn.

(3) Lights

Relay 1 on all Panel Meters is wired to Annunciator 1 inputs and relay 2 on all Panel Meters is wired to Annunciator 2 inputs. The lower light is on during normal conditions, Annunciator 1 relay 2 controls the middle light and Annunciator 2 relay 2 controls the upper light.

(3) Lights and (1) Horn

Relay 1 on all Panel Meters is wired to Annunciator 1 inputs and relay 2 on all Panel Meters is wired to Annunciator 2 inputs. The lower light is on during normal conditions, Annunciator 1 relay 2 controls the middle light and Annunciator 2 relay 2 controls the upper light. Annunciator 1 relay 1 controls the horn and Annunciator 2 relay 1 also controls the horn.

SPECIFICATIONS

General

Compliance	UL/C-UL 508A Enclosed Industrial Control Panel
Wiring	Power and Ground conductors are 18 AWG copper stranded wires. Control and Interface conductors are 20 AWG copper stranded wires.
Environmental	Operating Temperature: -25 to 60°C (-13 to 140°F) Storage Temperature: -40 to 70°C (-40 to 158°F) Relative Humidity: 0 to 90% non-condensing
Warranty	1 Year

Plastic Enclosures

Material	Thermoplastic Polyester
Ratings	UL Type 4X / NEMA 4X
Approvals	UL, C-UL
Manufacturer	Boxco Inc, H Series L Design

Stainless Steel Enclosures

Material	(1 Meter): 16-gauge, Type 304 SS; (2-6 Meters): 14-gauge, Type 304 SS
Ratings	UL Type 4X / NEMA 4, 4X, 12 and 13
Approvals	UL, CSA
Manufacturer	(1) panel meter Saginaw Control & Engineering SCE-12108CHNFSS. (2 - 4) panel meters Hammond Manufacturing 1418N4SSC8. (5-6) panel meters Hammond Manufacturing 1418N4SSE8

Digital Panel Meters

ProVu Series	Sunbright models with -_H7 model code providing (4) relays and (1) 4-20mA retransmission output.
Trident X2 Series	Trident X2 large display models with -_X5 model code providing (2) relays and (1) 4-20mA retransmission output.
Loop Leader Series	Approved models with -L5N model code providing (2) relays and (1) 4-20mA retransmission output.
Manufacturer	Precision Digital

Annunciators

Vigilante II Series	4 or 8 channel models providing (2) relays.
Manufacturer	Precision Digital

Light and Horn Tower

Material	Polycarbonate
Ratings	UL Type 4X / NEMA 4X
Approvals	UL, C-UL
Light Colors	For multi-module models, the order from the bottom is Green, Yellow, Red, and Horn on top.
Horn	Selectable 85-100 dB
Manufacturer	c3controls World Tower Light series

Buttons

Silence Button	Standard on all models; mounts in door
Test Button	Optional, door or DIN rail mounted
Manufacturer	Baco Controls L22AA03 operator head with 331E10 NO contact block

Sun Hood

Material	18 gauge 316 stainless steel
Ratings	UL Type 4X / NEMA 4X
Approvals	UL, C-UL
Overall Dimensions	5.3" x 2.8" x 3.0" (133 mm x 70 mm x 76 mm) (W x H x D)
Weight	14 oz (397 g)
Gasket Material	Silicone Foam
Manufacturer	Precision Digital PDA18DINSH

ORDERING INFORMATION

PDEA– [B][C] PVA [E] – [F] – [G1][G2][G3][G4][G5][G6] – [H] – [I]

B - Meter Types

A	PD6000	ProVu Process Meter
B	PD6001	ProVu Feet & Inches Level Meter
C	PD6060	ProVu Dual Input Process Meter
F	PD6088	ProVu Decimal Display Modbus Scanner
G	PD6089	ProVu FT&IN Display Modbus Scanner
H	PD6100	ProVu Strain Gauge Meter
I	PD6200	ProVu Analog In Flow Rate/Totalizer
J	PD6262	ProVu Dual Analog In Flow Rate/Totalizer
K	PD6300	ProVu Pulse In Flow Rate/Totalizer
L	PD6363	ProVu Dual Pulse In Flow Rate/Totalizer
N	PD7000	ProVu Temperature Meter
P	PD765 X2	Trident X2 Process & Temp Meter
Q	PD6607	Loop Leader Loop-Powered FT&IN Level Meter
R	PD6608	Loop Leader Loop-Powered Process Meter
S	PD6628	Loop Leader Loop-Powered Rate/ Totalizer
T	PD154	Vigilante II 4-Input Alarm Annunciator
U	PD158	Vigilante II 8-Input Alarm Annunciator

C - Number of Meters

1	One Meter
2	Two Meters
3	Three Meters
4	Four Meters
5	Five Meters
6	Six Meters

E - Power Options

6	120 VAC
7	24 VDC

F - Enclosure Material

PL	Plastic
SS	Stainless Steel

G1 - Number of Towers

0	No Tower
1	One Tower
2	Two Towers*

*2 light and horn towers available on _2PVA, C1PVA, F1PVA, G1PVA, J1PVA, L1PVA only.

G2 - Light Function

0	None
S	Steady
F	Flashing***

*** Recommended for outdoor use

G3 - Green Light

0	None
G	Green Light

G4 - Yellow Light

0	None
Y	Yellow Light

G5 - Red Light

0	None
R	Red Light

G6 - Horn

0	None
H	Horn

H - Sun Hood

0	None
H	One per Meter**

** *Sun hood not available for annunciators*

I - Test Button

0	None
D	Door Mount
R	DIN Rail Mount

⚠ WARNING
Cancer and Reproductive Harm - **www.P65Warnings.ca.gov**

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