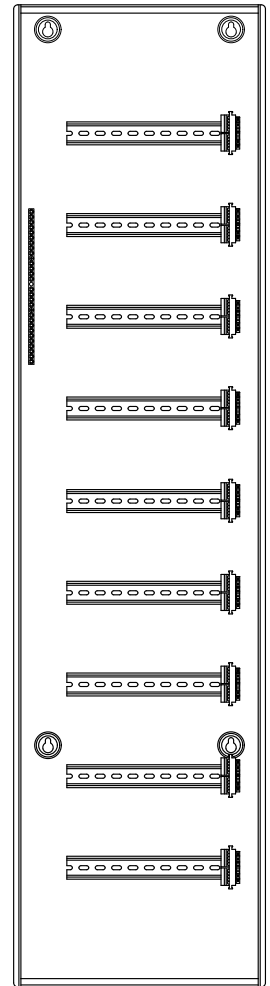# 120 V∿ Feed-Through DIN Panels (and Accessories)

The Lutron family of DIN rail panels are designed to accept Lutron DIN power modules (DPMs). The compatible DPMs can be configured in the panel to control multiple load types to fit the size, lighting plan, and design of a project. Control panels have a control gear compartment that can house a low-voltage interface or processor. Satellite panels replace the control gear compartment with a DIN rail row to mount an additional DPM. Panels may either be surface-mounted or recess-mounted in an electrical closet or other equipment room.

Features

- Panels can house these DPMs:
  - LQSE-2ECO-D
  - LQSE-4A1-D
  - LQSE-4A5-120-D
  - LQSE-4A-120-D
  - LQSE-4T5-120-D
  - LQSE-4T20-120-D
  - LQSE-4S8-120-D
  - LQSE-4M-120-D

- Panels available in three sizes: 16 in (406 mm), 36 in (914 mm), and 59 in (1499 mm).

- Optional control panels, in 36 in (914 mm) and 59 in (1499 mm) enclosures can house:
  - HQP6-1 or HQP6-2 (HomeWorks QS processor)
  - HQP6-MDU-1 or HQP6-MDU (MDU processor)
  - HQP7-1 or HQP7-2 (HomeWorks QSX processor)
  - HQP7-MDU-1 or HQP7-MDU-2 (QSX MDU processor)
  - QSPS-DH-1-75-H (24 V⎓ power supply)
  - QSE-IO (contact closure interface)
  - QSE-CI-DMX (DMX interface)
  - QS-WLB (wire landing board)

- Panels come ready to install DPMs (sold separately).

- Panels are feed-through only.

- Extensively tested to ensure optimal thermal performance with maximum load in 32 °F to 104 °F (0 °C to 40 °C) ambient environment.

- 5-position wire connectors and DIN rail holder included for wiring prior to DPM installation (typically done at a later time).

- Rated for 120 V∿ applications.

- Pre-assembled DPM QS link wire harnesses are available to connect DPMs together (sold separately). See page 5 for ordering information.

PD9-59F-120

Customer Assistance:
1.844.LUTRON1 (U.S.A. / Canada)
+1.888.235.2910 (Mexico)

120 V∼ Feed-Through DIN Panels (and Accessories)

Specifications

Model Numbers	PD2-16F-120; PD4-36F-120; PD5-36F-120; PD8-59F-120; PD9-59F-120
Power	Feed-through: 120 V∼ 50/60 Hz
Capacity*	**PD2-16F-120:** Two DPMs and one Wire Landing Board (WLB). **PD4-36F-120:** Four DPMs, one WLB, one power supply, and one low-voltage interface or processor. **PD5-36F-120:** Five DPMs and one WLB. **PD8-59F-120:** Eight DPMs, one WLB, one power supply, and one low-voltage interface or processor. **PD9-59F-120:** Nine DPMs and one WLB.
Regulatory Approvals	cULus, NOM
Environment	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing. Indoor use only.
Cooling	Passive cooling
Line-Voltage Connections	Use copper wire only. In a feed-through panel, wires will land directly on DPMs except where DPMs are shipped with DIN terminal blocks. 5-position wire connectors are included for wiring prior to DPM installation.
Ground Bar Terminals	**PD2:** 15-position ground bar **PD4 and PD5:** 23-position ground bar **PD8 and PD9:** 27-position ground bar
Dimensions	**PD2:** Panel: 15.125 in x 16 in x 4.28 in (385 mm x 407 mm x 109 mm) Cover: 15.875 in x 16.5 in x 0.06 in (403 mm x 419 mm x 1.5 mm) **PD4 and PD5:** Panel: 15.125 in x 36 in x 4.28 in (385 mm x 914 mm x 109 mm) Cover: 15.875 in x 36.5 in x 0.06 in (403 mm x 927 mm x 1.5 mm) **PD8 and PD9:** Panel: 15.125 in x 59 in x 4.28 in (385 mm x 1500 mm x 109 mm) Cover: 15.875 in x 59.5 in x 0.06 in (403 mm x 1511 mm x 1.5 mm)

* Use of non-Lutron equipment in the panel voids the warranty.

120 V∿ Feed-Through DIN Panels (and Accessories)

Specifications (continued)

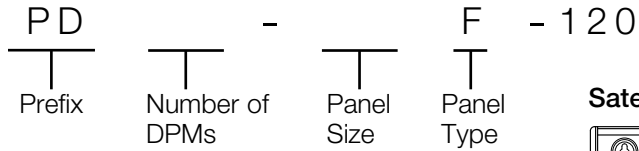|	
Mounting	Install and wire in accordance with all local and national codes. Panel may be surface-mounted or recess-mounted. Panel fits between standard 16 in (407 mm) on-center stud framing. When flush mounting in a 2 x 4 stud bay, to accommodate the depth of the panel behind the cover mounting flange [4.34 in (110 mm)], the sheetrock must be built out or a frame must be constructed. Panel must be mounted within +/- 7° of vertical. Mount the panel so that line-voltage wiring will be at least 6 ft (1.8 m) from audio or electronic equipment and wiring. Mounting hardware is not provided. Mount panel using one of the following methods:
	Surface-Mount: Use keyholes with bolts sufficient for 110 lb (50 kg) load, 1/4 in (M6) bolts recommended.
	Recess-Mount: Use hardware sufficient for 110 lb (50 kg) through the corners of the panel. Panel is 4.28 in (109 mm) deep past cover mounting tabs (including pedestal).
	NOTICE: This equipment is air-cooled. Allow at least 12 in (305 mm) of air space at the top, bottom, and front of the cover or as required by local codes (whichever is greater).
	NOTICE: Power supply will hum slightly and internal relays will click while in use. Mount in a location where such noise is acceptable.
	NOTICE: Limit vertical stacking of PD2 panels to three panels high. Limit vertical stacking of PD4 panels to two panels high. Do not vertically stack PD5, PD8, or PD9 panels.
Construction	**Panel:** 16-gauge galvanized sheet metal (unpainted).
	Cover: Coated metal cover with ventilation holes. Cover is attached using phillips-head screws (included).
Warranty	www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf

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120 V∼ Feed-Through DIN Panels (and Accessories)

Model Number Example

PD   –   F   - 1 2 0

| Prefix | Number of DPMs | Panel Size | Panel Type |

Number of DPMs:

2 = 2 DPMs (satellite panel)
4 = 4 DPMs (control panel)
5 = 5 DPMs (satellite panel)
8 = 8 DPMs (control panel)
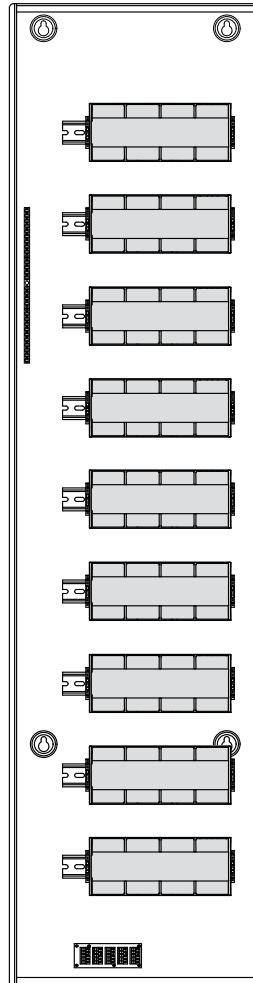**9** = 9 DPMs (satellite panel)

Panel Size:

16 = 16 in (407 mm) enclosure (PD2)
36 = 36 in (914 mm) enclosure (PD4, PD5)
59 = 59 in (1500 mm) enclosure (PD8, PD9)
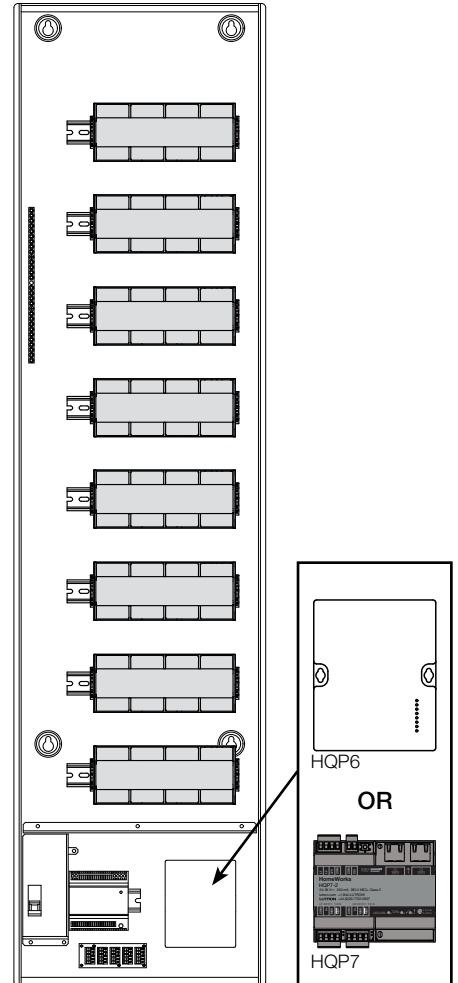
Panel Type:

F = Feed-through

Satellite Panel

Control Panel

HQP6

OR

HQP7

PD9-59F-120*

Satellite panels replace the control gear compartment with a DIN rail row for an additional DPM.

PD8-59F-120*

Control panels have a control gear compartment housing one low-voltage interface or processor, one WLB, and one power supply.
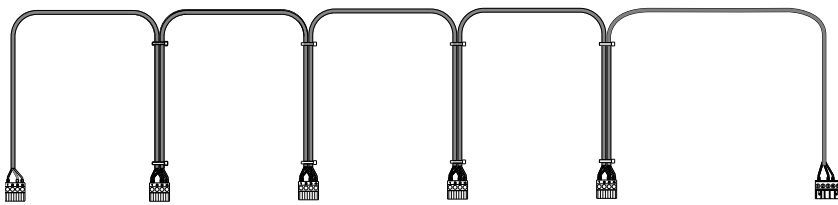
*Panels shown with components. Components sold separately.

120 V∿ Feed-Through DIN Panels (and Accessories)

Optional Accessories (sold separately)

DPM QS Link Wire Harnesses	
PDW-QS-4	Wiring for up to 4 DPMs (PD4 panel)
PDW-QS-5	Wiring for up to 5 DPMs (PD5 panel)
PDW-QS-8	Wiring for up to 8 DPMs (PD8 panel)
PDW-QS-9	Wiring for up to 9 DPMs (PD9 panel)

Example: PDW-QS-5

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120 V∿ Feed-Through DIN Panels (and Accessories)

Dimensions and Mounting

PD2-16F-120 Satellite Panel

All measurements shown as: in (mm)

14.375 (365)

4.34 (110)

Up
−7° +7°
Mount panel vertically

2.063 (52)

15.125 (384)

11 (279)

15.875 (403)

16.5 (419)

16 (406)

1.187 (30)

13 (330)

0.3125 (8) diameter

0.625 (16) diameter

5.5 (140)

0.375 (10)

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120 V∿ Feed-Through DIN Panels (and Accessories)

Dimensions and Mounting

PD4-36F-120 Control Panel

All measurements shown as: in (mm)

14.375 (365)

4.34 (110)

Up
−7° / +7°
Mount panel vertically

2.063 (52)

15.125 (384)

11 (279)

1.187 (30)

0.3125 (8) diameter

15.875 (403)

36.5 (927)

21.187 (538)

36 (914)

0.625 (16) diameter

14.813 (376)

0.375 (10)

Customer Assistance:
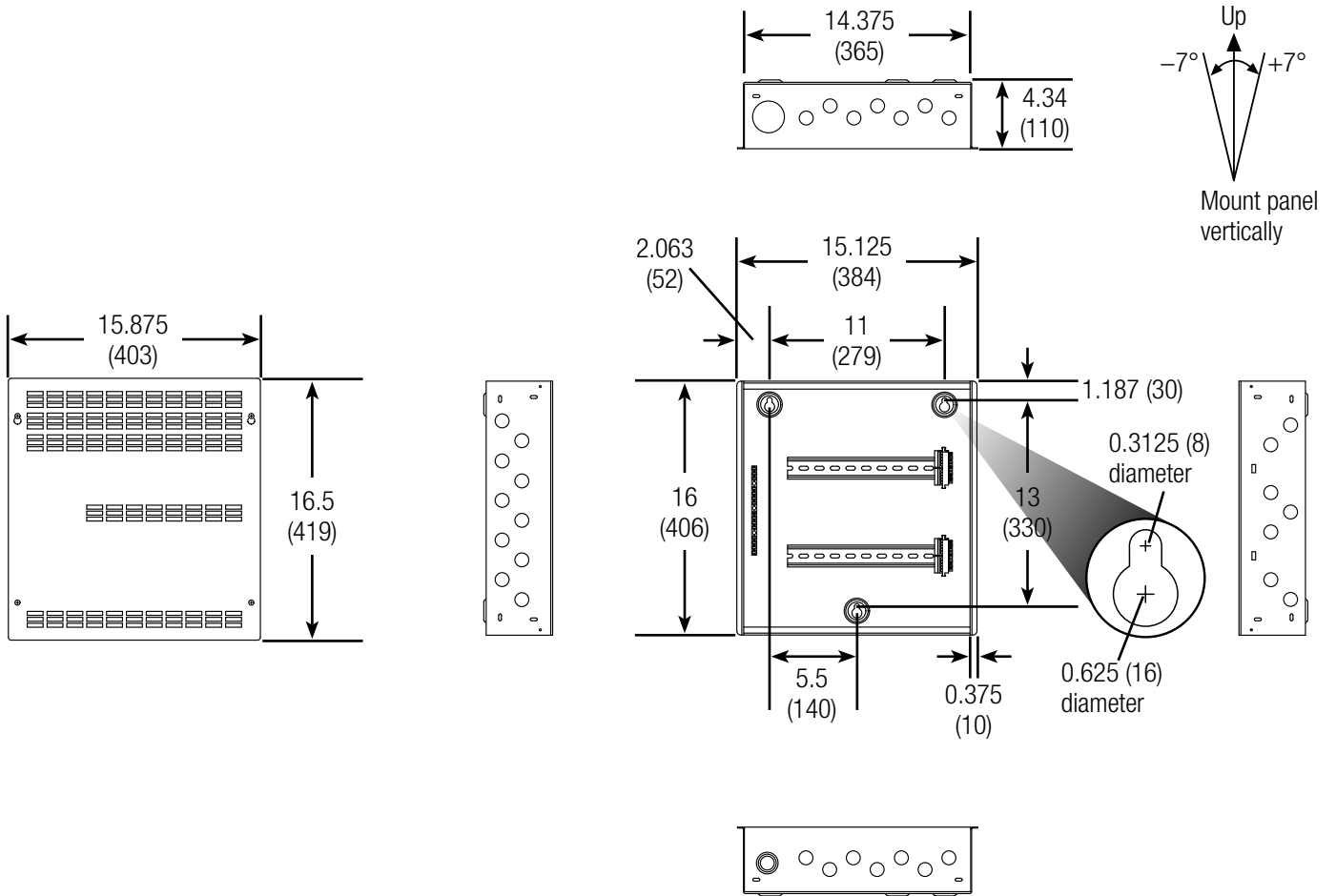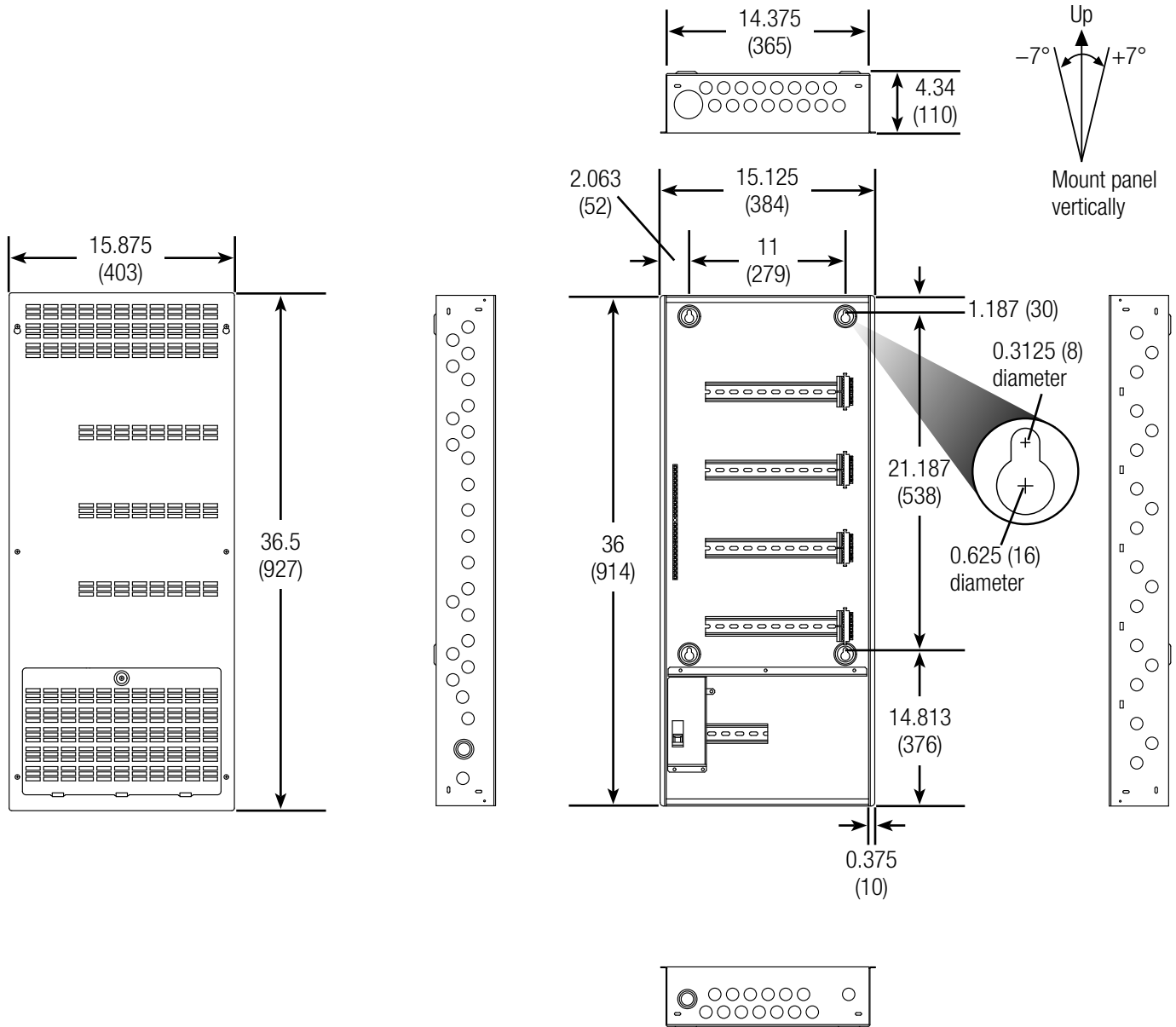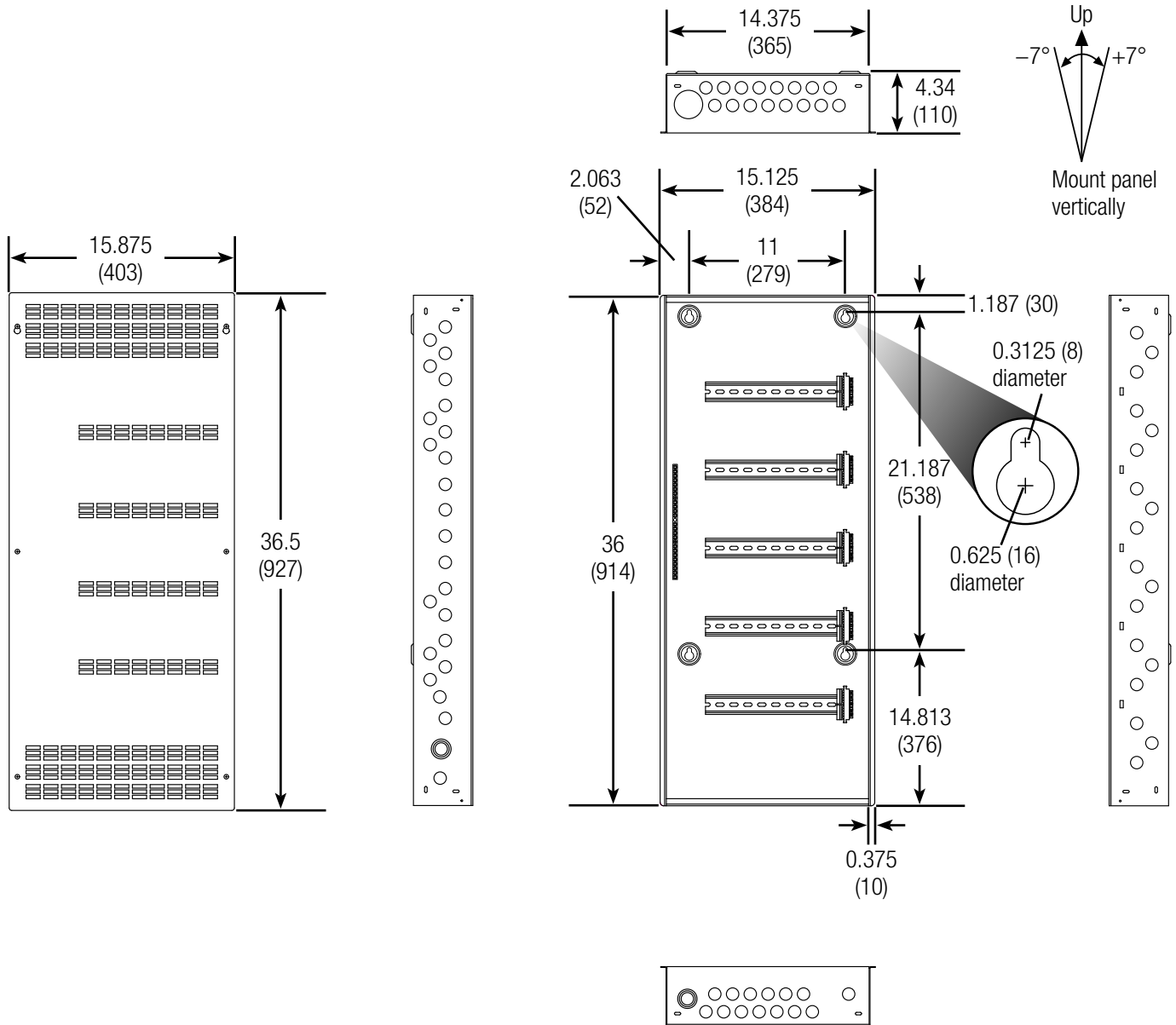1.844.LUTRON1 (U.S.A. / Canada)
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120 V∼ Feed-Through DIN Panels (and Accessories)

Dimensions and Mounting

PD5-36F-120 Satellite Panel

All measurements shown as: in (mm)

15.875
(403)

36.5
(927)

14.375
(365)

4.34
(110)

2.063
(52)

15.125
(384)

11
(279)

1.187 (30)

0.3125 (8)
diameter

0.625 (16)
diameter

21.187
(538)

36
(914)

14.813
(376)

0.375
(10)

Up

−7° +7°

Mount panel
vertically

Customer Assistance:
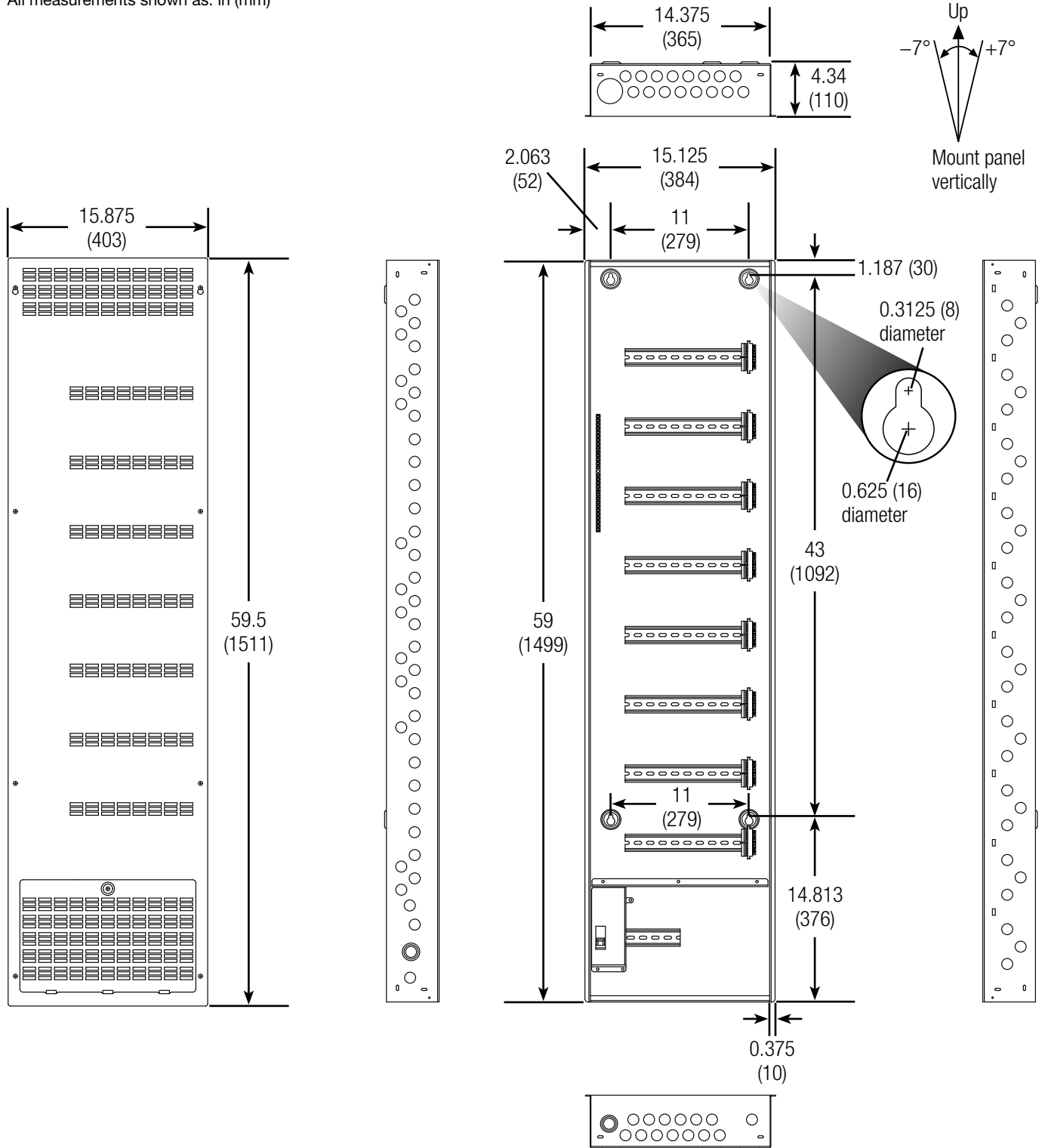1.844.LUTRON1 (U.S.A. / Canada)
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120 V∼ Feed-Through DIN Panels (and Accessories)

Dimensions and Mounting

PD8-59F-120 Control Panel

All measurements shown as: in (mm)

14.375
(365)

4.34
(110)

2.063
(52)

15.125
(384)

11
(279)

Up

−7°   +7°

Mount panel
vertically

1.187 (30)

0.3125 (8)
diameter

0.625 (16)
diameter

43
(1092)

59
(1499)

15.875
(403)

59.5
(1511)
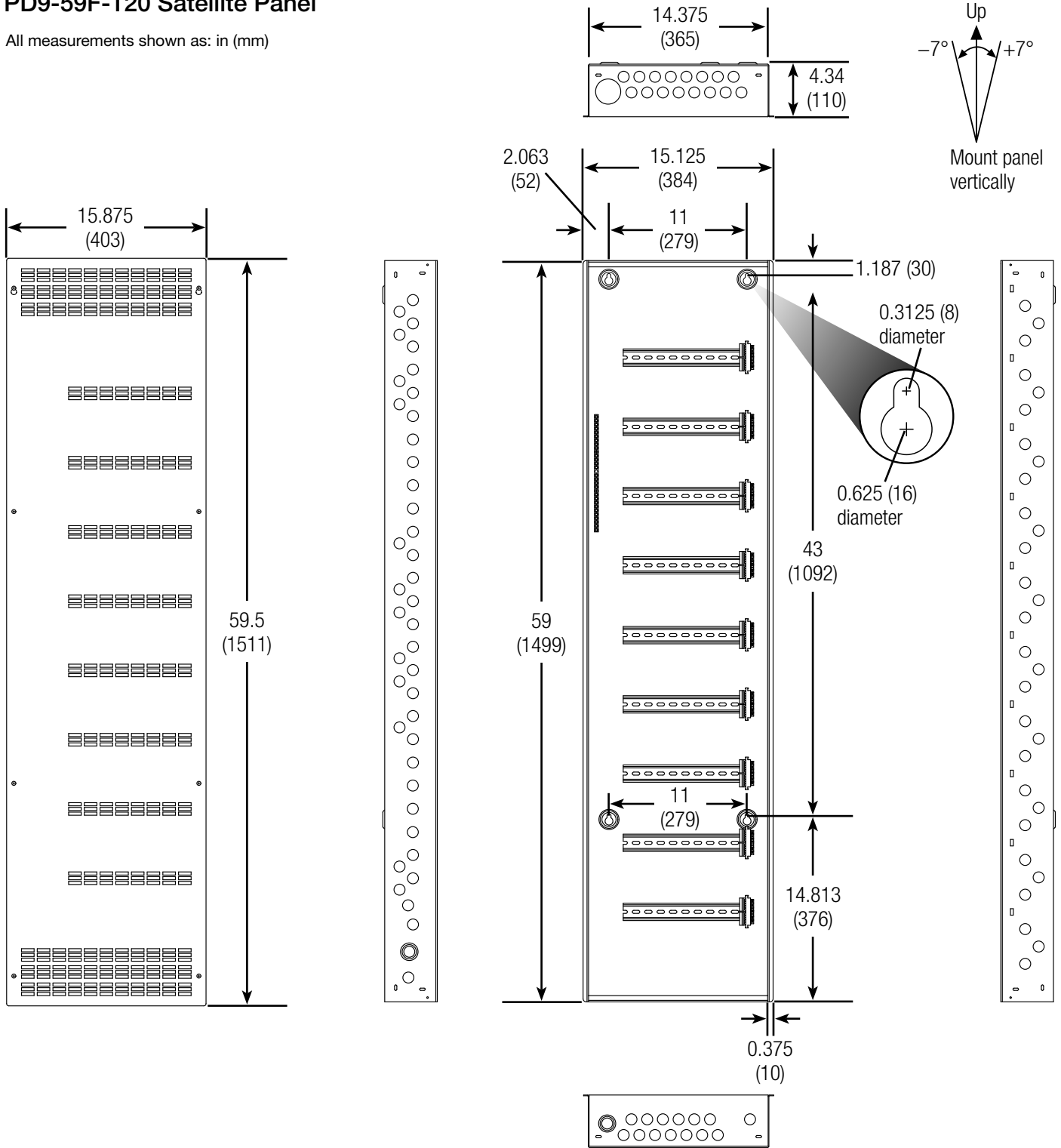
11
(279)

14.813
(376)

0.375
(10)

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120 V∿ Feed-Through DIN Panels (and Accessories)

Dimensions and Mounting

PD9-59F-120 Satellite Panel

All measurements shown as: in (mm)

14.375
(365)

4.34
(110)

Up

−7° ⟋ ⟍ +7°

Mount panel
vertically

2.063
(52)

15.125
(384)

11
(279)

1.187 (30)

0.3125 (8)
diameter

0.625 (16)
diameter

15.875
(403)

59.5
(1511)

59
(1499)

43
(1092)

11
(279)

14.813
(376)

0.375
(10)

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