

# Panelboards

## Modifications and Additions

## Selection

### Type P5 Panelboards

Devices Mounted on Gutter Cover Includes Device, Mounting – Wired or Unwired

Description
One piece front with door
(Depth increases to 14.25")
Hinged Gutter Covers 4 pc front
Toggle Switch — SPST or 3-way
15A, 277V maximum
Pilot Light — General Purpose
Neon or Incandescent
Pushbutton

### Feed-Thru Lugs

Ampere Rating	Unit Space (inches)
400	10
600	10
800	17.5
1200	17.5

### Grounding of Panelboards

Ground Bars except for brazed to box are shipped with the panel interior factory mounted.

- Non-Insulated Equipment Ground Bar – Standard
- Copper Non-Insulated Ground Bar
- Al Insulated Equipment Ground Bar
- Cu Insulated Equipment Ground Bar
- Ground Bar Brazed to Box

### Fuse Clip Provisions (Add to 250 Volts or 600 Volts Unit Prices Per Switch)

Amp Rating	Class J	Class R	Class T
30	•	•	N/A
60	•	•	N/A
100	•	•	•
200 <sup>①</sup>	•	•	•
400	•	•	•
600	•	•	•

• Indicates available

### Ground Fault on Main Breaker

Description	Amp Rating
Conventional Ground Fault <sup>②</sup> Includes:	
Ground Fault Relay, Ground Sensor, CPT and Shunt Trip	800-1200
Test and Monitor Panel <sup>③</sup>	
Ground Fault add to Sensitrip III breaker price (takes 5" of unit space)	800-1200

### Time Clocks<sup>④</sup>

Sangamo, Tork or Paragon time clock can be supplied, mounted in panel-board cabinet. For required increase in enclosure dimension, consult local sales office.

Description
Time clock (1- or 2-Pole, Single or Double Throw Contacts; 3-Pole Single Throw)
277V Maximum with Plain Dial
Optional: Astronomical Dial An Omitting Device Reserve Power or Carryover
Space and Mounting Provisions Only

### Circuit Breaker Accessories Handle Blocking Device Blocks handle in either the "ON" or "OFF" position.

### Padlocking Device – Padlocks in "OFF" position.

### Main Bus

Standard main bus and ground bus are tin-plated aluminum. For copper main bus, neutral bus and ground bus, add from the table for each panel.

### Lugs – For Main Lug Only Panels

Standard main lugs and neutral lugs are tin-plated aluminum, UL listed for use with aluminum/copper cables. Copper only lugs are an option.

Ampere Rating
400 - 1200

### Shunt Trip on Main and Branches<sup>⑤</sup>

Description
BL, BQD, NGB, HGB, LGB, NGB2, HGB2, LGB2 (branch only)
QR2, QRH2, HQR2, HQR2H ED4, HED4, HHED6, CED6 (branch only)
All others to 1200A

### 100% Rated Main Circuit Breakers

Ampere Rating	Breaker Type
400	JXD6H, HJXD6H
	NJY, HJY, LJY
600	LXD6H, HLXD6H
600 <sup>⑥</sup>	NMY, HMY, LMY
800 <sup>⑦</sup>	NNY, HNY, LNY
	MXD6H, HMXD6U, SMD6, SHMD6, SND6, SHND6, NXD6H, HNXD6H
	NNY, HNY, LNY
1200	NXD6H, HNXDH,

<sup>①</sup> For use on main lug, main breaker or main switch panels without subfeed breakers.

<sup>②</sup> Available in 90" high enclosure only. Unit space is 42½" with Test and Monitor Panel; 45" without Test Monitor Panel.

<sup>③</sup> Not available on Sensitrip III.

<sup>④</sup> For required unit space, consult local sales office.

<sup>⑤</sup> Shunt Trip on 100A frame breakers increases mounting height to 6.25" for twin mounting.

<sup>⑥</sup> The 600A, 100% rated breaker application requires the use of an 800A frame breaker.

<sup>⑦</sup> The 800A, 100% rated breaker application requires the use of a 1200A frame breaker.