

## Instant Service Switchboards



Type 1 Indoor



Type 3R Outdoor

**Product Description**

Eaton's Instant® Service Switchboards are designed as stocked units to provide fast delivery to match the needs of the construction market.

Suitable for use as service entrance equipment, they combine utility metering provisions with a fused main switch in a single compact section that can also include a distribution panel for feeder and branch circuit breakers.

**Application Description**

Typical applications for these versatile switchboards include small office buildings and factories, stores, supermarkets and shopping centers.

**Features, Benefits and Functions**

These switchboards are available in either indoor or outdoor enclosures manufactured of code-gauge steel with a durable light gray finish. All units are completely enclosed with front, rear and side covers. Outdoor units include a front hinged door.

The service section includes:

- Main lugs mounted at the top (two #4–600 kcmil per phase) for overhead feed or for use with an underground pull section
- A sealable metering and CT compartment with bussing for utility bar type CTs and two 15-inch (381.0 mm) high meter compartment doors—one with provisions for meter socket and test block, one blank (meter socket is ordered separately)
- A 400 or 600A T-Type fused main switch or 400, 600 or 800A main circuit breaker with either load lugs (same as main lugs) or with connections to a factory installed distribution panel

Underground pull sections are available with lug landing kits providing studs for incoming cables per EUSERC standards and

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**Standards and Certifications**

Eaton's Instant Service Switchboards are listed by Underwriters Laboratories and comply with all applicable industry standards.

These switchboards meet EUSERC standards as well as other local utility codes.

**Seismic Qualified**

Eaton's Instant Service Switchboards are seismically tested, seismically qualified and meet or exceed requirements of the Uniform Building Code® (UBC), the California Building Code (CBC) and the International Building Code (IBC) for all seismic zones.



two #4–600 kcmil lugs per phase for cable connection to the service section.

Distribution panels can be included for 240 Vac maximum (single-phase three-wire or three-phase four-wire), 480Y/277 Vac (three-phase four-wire) or 480 Vac (three-phase three-wire). The 240V panels have provisions for four Type ED 225A frame circuit breakers and 24 poles of Type BAB 100A frame circuit breakers. The 480Y/277V panel has provisions for four Type FD 225A frame circuit breakers and 24 poles of Type GHB 100A frame circuit breakers. The bolt-on type circuit breakers are ordered separately.

For applications that require the load circuit conductors to exit at the top, a loadside wireway compartment is available that bolts to the service section.

Standard switchboards include two 15.00-inch (381.0 mm) high meter compartment doors, one with meter socket provisions and one blank. For other arrangements, accessory units are available. Check utility requirements.

## Main Breaker Only with Distribution Panel

Service	Main Ampere Rating	Type 1—Indoor Catalog Number	Type 3R—Outdoor Catalog Number
<b>240 Vac Maximum</b>			
Single-phase three-wire	400	<b>MBBP423</b> ①	<b>RMBBP423</b> ①
	600	<b>MBBP623</b> ①	<b>RMBBP623</b> ①
	800	<b>MBBP823</b> ②	<b>RMBBP823</b> ②
	800	<b>MBBP823-P</b> ③	<b>RMBBP823-P</b> ③
	800	<b>MBBP823-K</b> ④	<b>RMBBP823-K</b> ④
Three-phase four-wire	400	<b>MBBP424</b> ①	<b>RMBBP424</b> ①
	600	<b>MBBP624</b> ①	<b>RMBBP624</b> ①
	800	<b>MBBP824</b> ②	<b>RMBBP824</b> ②
	800	<b>MBBP824-P</b> ③	<b>RMBBP824-P</b> ③
	800	<b>MBBP824-K</b> ④	<b>RMBBP824-K</b> ④
<b>480Y/277 Vac</b>			
Three-phase four-wire	400	<b>MBBP444</b> ⑤	<b>RMBBP444</b> ⑤
	600	<b>MBBP644</b> ⑤	<b>RMBBP644</b> ⑤
	800	<b>MBBP844</b> ②	<b>RMBBP844</b> ②
	800	<b>MBBP844-K</b> ④	<b>RMBBP844-K</b> ④

## Underground Pull Sections—Same Depth as Switchboard with Provisions for Lug Landing Kit

Section Width Inches (mm)	Type 1—Indoor Catalog Number	Type 3R—Outdoor Catalog Number
24.00 (609.6) ⑥	<b>UG24W</b>	<b>RUG24W</b>
30.00 (762.0)	<b>UG30W</b>	<b>RUG30W</b>

NEMA Type 1 pull section can be installed separate from service section. Add side closer plate, catalog number UGCP.

## Lug Landing Kits for Underground Pull Sections

Maximum Ampere Rating	Service	Catalog Number
400	Single-phase three-wire	<b>LL4003</b>
	Three-phase four-wire	<b>LL4004</b>
800	Single-phase three-wire	<b>LL8003</b> ⑦
	Three-phase four-wire	<b>LL8004</b> ⑦

## Load Side Wireway—12 Inches (304.8 mm) Wide Same Depth as Switchboard

Type	Catalog Number
Type 1—Indoor	<b>LSS12W</b>
Type 3R—Outdoor	<b>RLSS12W</b>

## Notes

- ① 240V distribution panels have double branch provisions for four Type ED 225A frame circuit breakers and 24 poles of Type BAB 100A frame circuit breakers.
- ② 800A distribution panels have double branch provision for six Type FD 225A frame circuit breakers only.
- ③ Suffix-P: four Type FD 225A frame circuit breakers and 24 poles of Type GHB 100A frame circuit breakers.
- ④ Suffix-K: one Type KD OR HKD 400A frame circuit breakers and four Type FD 225A frame circuit breakers.
- ⑤ 480Y/277V distribution panels have double branch provisions for four Type FD 225A frame circuit breakers and 24 poles of Type GHB 100A frame circuit breakers.
- ⑥ Check utility requirements—most EUSERC utilities require 30-inch (762.0 mm) width.
- ⑦ Mounts in 30-inch (762.0 mm) wide section only.

Circuit breakers for distribution panels are ordered separately.