

DST - Rackmount Distribution Panel

The **DST** is a high density Rackmount Distribution Panel designed to accommodate virtually any 48 VDC, 24 VDC or 12 VDC power distribution requirement. Its flexibility makes it ideal for all telecom site power requirements, large and small.

DST distribution panels accommodate up to 10 or 20 circuit breakers (depending on model) within a compact rackmount housing, occupying only 2 RU of rack space. The circuit breakers feature a unique plug-in design which requires only front access for quick, easy installation during initial power system configuration, as well as future system expansion.



Product Features

- Model **DST-20A** features dual 10 circuit A and B buses, each rated at 400 amps, which are completely isolated, enabling redundant power configuration or different voltages and even ground references. This is like having two completely separate distribution panels in a single compact rackmount chassis. A and B inputs can also be paralleled, creating a single 800 amp bus. Model **DST-10** has a single 400 amp bus which accepts up to 10 breakers.
- The plug-in circuit breakers feature gold-plated compression contacts which insert securely into sockets recessed in the panel. Breaker alarm contacts are part of the plug-in assembly which feed an output connector at the rear of the panel for optional remote tripped-breaker alarm/indication. A "mid-trip" function of the circuit breaker moves the toggle to a 90 degree position when an over-current condition is encountered, providing quick visual identification of a failed circuit. It distinguishes between an over-current trip and intentional shut-off, allowing the technician to turn off individual loads without unnecessarily activating the alarm.
- Input/output wiring is rear access via bus bars that accept single or double hole lugs. There is no internal power wiring or terminals, eliminating multiple points of failure. Input/output buses are secured to the load breaker sockets via solid nickel-plated copper bus material.
- Mounting brackets are provided to adapt the panel for 19" or 23" racks. Snap-in hole plugs are provided for unused breaker ports and a clear protective cover is provided to prevent accidental switching of breaker toggles and for convenient placement of circuit identification labels.
- The **DST** is shipped standard without circuit breakers. Specify the required amperages when ordering and plug them into the panel during installation.

Product Specifications

Electrical

Nominal Input/Output	48 or 12 VDC
Total Circuit Capacity	DST-20A: 20 Breakers; DST-10 10 Breakers
Total Current Capacity	DST-20A: 800 Amps (dual Amp buses); DST-10: 400 Amps (1 400-Amp bus)
Maximum Circuits per Bus	10

Alarm / Indicators

- Tripped Breaker Contacts via Rear Panel Connector; Normally Open configuration.
- Note: Separate contacts for each bus on model DST-20A

Circuit Breakers

- UL Listed
- Current Ratings: 5, 10, 15, 20, 30, 40, 50, 75 or 100 amps
- Breaker rating stamped beside toggle for easy reference
- Voltage Rating: 80 VDC max.
- Type: Plug-in with Auxiliary Contacts.

Mechanical

- Bus Bars: Nickel-plated copper; accept single or double hole lugs
- Front Panel: Anodized aluminum
- Rear Cover Panel: Vinyl-laminated aluminum
- Dimensions: 3.5" H x 17" W* x 11.75" D; Occupies 2 RU
- *19" and 23" rack mounting tabs provided
- **DST-20A:** 12.3 lbs.
- **DST-10:** 7 lbs.

Options

- **Front Panel tripped breaker indicator light**
 - ▶ Occupies one breaker position
 - ▶ Specify voltage and ground reference
 - ▶ One light for each bus on model DST-20A
- **Ground Bus Bar Assembly**
 - ▶ 400 amps; Model BBA-400
 - ▶ 800 amps; Model BBA-800
- **Rear Terminal Cover Assembly**
 - ▶ Clear plastic
 - ▶ Two styles available; contact factory