

ACT 481 DC 1U 150 Amp

16-Breaker Dual Feed Power Distribution Panel



▶ In today's power applications, rack mounted power distribution panels must be flexible to handle the many changing customer needs. The ACT 481 1U Power Distribution Panels offer a wide range of features to allow specific customization at off the shelf pricing.

The ACT 481 DC Panel has flexible options that allows Front or Back Feed Access, Single Feed (up to 16 breakers) or Double Feed Input (8/8 breakers).

While the standard unit is designed for the popular 19" rack, we also offer a 23" mounting bracket option. A full range of features are also offered, including remote alarms (A+B) (red LED and a consolidated NC/NO Form C Contact), an alarm trips anytime a breaker trips. An optional heavy duty surge protector (-S) protects the whole power bus while safely being wired behind Breaker 8, tripping offline when surge protector fails.

▶ RECOMMENDED LOCATION

- Telecom Cabinets
- Waste Water Treatment Cabinets
- Remote Shelters or Cabinets
- Solar Panels

▶ FEATURES AND BENEFITS

- Floated Bus - battery and return
- Front or Back Load Options
- Single or Dual Fed Bus
- Alarms - NC/NO Contacts and A and B Red LED
- 19" & 23" Rackmount Options
- Optional Surge Protector
- Selectable Breaker Quantity and Size – up to 16 breakers
- Airpax Listed Breakers
- Black Finished Aluminum – lightweight while providing strength
- 2-Year Standard Warranty

▶ STANDARDS MET

- Safety – Panel Designed to UL 1801
- Designed to UL60950-1, EN60950-1, EN 60934-2001
- ANSI/ IEEE 1100
- ANSI/IEEE C62.41, C62.45
- ANSI/NFPA 70 National Electrical Code
- Breakers Listed to UL1077, CSA and VDE

ACT 481 DC 1U 150 Amp Specifications

▶ MECHANICAL

Dimensions (Standard)	19"W x 1.75"H x 5.0"D
Weight (Dependent on no. of breakers)	8.5 lbs (fully loaded with breakers)
Op Temp	-5C to 55C
Ambient	Up to 25C
Store Temp	-40C to 85C
Non-condensing humidity	0% to 95%
Enclosure	Aluminum - Painted - Black standard
Rack Mounting	19" Std or 23" optional

▶ ELECTRICAL

Input Connections	Crimp Type on 1/4-20 stud 5/8" (0.625") Spacing	
Input Wire Size	Up to 2 Awg	
Max. Terminal Width	.46"	
Output Connections	Barrier Terminal Strips	
Output Wire Size	12-24 AWG	
Max. Terminal Width	.33"	
Number of poles /breakers	1- Pole (8 Per Side - 16 Total)	
Voltage Type	48V	42 - 60 VDC
<i>Unit is not polarity-sensitive</i>	24V / 12V	10.5 - 30 VDC
Available Breaker Amperage	5A, 10A, 15A, 20A, 30A For panel loading info contact ACT Communications	
Polarity	Floated Bus - Battery & Return <i>Unit is not polarity-sensitive</i>	
Breaker Type	Airpax SNAPAK	
Alarm Indicator	Standard	Power On Green LED
	Optional-A	Tripped Breaker - Red LED NO / NC Remote Alarm Contacts
Bus Capacity	150 Amps Per Side (A+B)	
Short Circuit Rating	DC 65V 1000A	

▶ SAFETY STANDARDS

Panels designed to:	UL 1801, UL60950-1 ,EN60-950-1, EN 60934-2001
Breakers listed to:	UL1087, CSA and VDE

▶ PART NUMBER

ACT481-XXX-YY-ZZZZ	1 U Power Distribution Panel		
Where:	XXX	Voltage type	12/24, 48, 120, 120S
	YY	Number of Breakers	01 to 16
Options	-A	Remote Alarm	Alarm Red LED and Form C relay contact NC / NO
	-F or -B	Front or Back Load	
	-D	Single or Dual Fed Bus	Single Fed Standard, -D for dual fed buses
	-23	23" Mounting Brackets	
	-S	Surge Protector	Breaker Fed Surge Protector - Protects whole bus
	-SS	Safety Shield	Plexiglass shield over all open bus connections
	- ZZZZ	Customer Build Code	A-Z, 1-9

Example Part Numbers:	ACT481-048-16-A-B-D-AB01 ACT481-12/24-16-A-B-D-AB01
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