

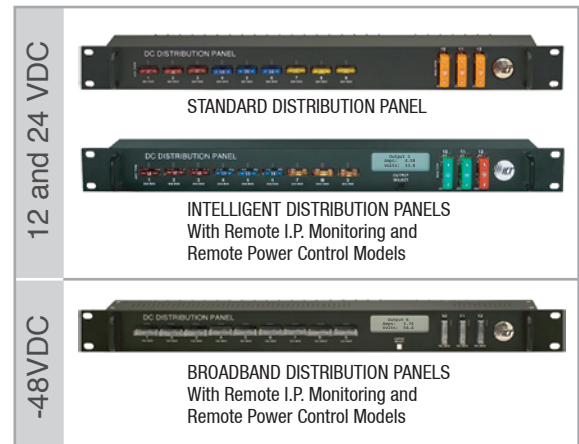


DISTRIBUTION SERIES

DC Load Distribution Panels

The ICT DISTRIBUTION SERIES fuse-protected DC load distribution panels allow you to connect multiple DC loads to a single power source, thereby providing a flexible, cost effective approach to site DC power design. The 1RU 19-inch rackmount design saves valuable space, and the fuses are mounted on the front for easy replacement. Twelve output circuits allow you to expand your system as your needs grow, without giving up more valuable rack space.

From the Standard model for applications where no remote monitoring or control is required, to Intelligent and Broadband models that are I.P. enabled for remote monitoring and power control, the ICT Distribution Series has a model that will meet your requirements for 12, 24, or negative 48VDC applications.



Ease of Installation and Use

Fuses are mounted on the front to facilitate easy replacement. Alarm LED indicators and Form C alarm contacts are provided on all models to assist with troubleshooting and fault detection. Heavy duty stud connectors are provided for the main DC inputs, and space saving terminal blocks are used for the outputs. The I.P. enabled models have an intuitive, easy to use Graphical User Interface that can be accessed from a standard web browser.

Lowest Cost of Ownership

All models come with a 3-year warranty. The convection cooled design means there are no moving parts to fail. Intelligent and Broadband models are I.P. enabled for remote monitoring, and the Remote Power Control models allow remote shutdown or power cycling of individual outputs. Firmware can be updated remotely over the web.

Performance and Flexibility

All models feature a continuous current rating of 150 amps to allow a large number of DC devices to be connected to a single panel. The Standard and Intelligent models utilize nine standard ATO type fuses rated at up to 25A each, plus three Maxi fuses with 40A ratings, allowing you to mix the size and type of devices you can connect to these 12 or 24VDC models.

Space Saving Design

The 1RU 19-inch standard rack mounting with handles saves valuable rack space. Twelve individual DC output circuits and the 150 amp continuous current rating help reduce the need for multiple panels. Input and output cables do not require extra room above or below the panel chassis.

Remote Monitoring

The Intelligent and Broadband models are I.P. enabled, and utilize a built-in Ethernet connector and integrated web server to allow users to remotely monitor load conditions at the panel. This can provide an indication of a problem with the DC power service, or with an individual device such as a radio, repeater, or RF amplifier that is connected to the panel. These models will also send text or email alerts to indicate when a fault status is triggered. Up to 30 hours of data logging is provided.

Remote Power Control

The Remote Power Control models allow the individual DC outputs to be turned on and off remotely using the TCP/IP connection. This allows connected devices to be turned on and off or power cycled, potentially averting the need for an on-site service visit. The power cycling feature allows outputs to restart automatically, allowing device such as LAN links to be power cycled without risk of losing communications to the panel. Automatic load shedding is provided with user definable settings, allowing non-critical loads to be shut down in order to prolong power to critical loads.

TECH NOTE The INTELLIGENT POWER initiative from ICT delivers DC power products to wireless installers, managers and users designed to reduce operating costs and increase uptime by providing remote I.P. access and control of the DC power infrastructure at their sites.





DC Load Distribution Panels



ICT180-12 Standard Distribution Panel	ICT180-12I Intelligent Distribution Panel	ICT180-12B Broadband Distribution Panel	ICT180-12IRC Intelligent Distribution Panel With Remote Power Control	ICT180-12BRC Broadband Distribution Panel With Remote Power Control
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Power Specifications

Application Voltage	← 12 and 24VDC →		-48VDC	12 and 24VDC	-48VDC
Panel Current Rating (Peak)	← 180A →				
Panel Current Rating (Continuous)	← 150A →				
Operating Temperature Range	← -20C to +60C →				
Number of ATO Fused DC Outputs	9	9	----	9	----
ATO Fuse Rating (Max)	25A ⁽¹⁾⁽²⁾	25A ⁽¹⁾⁽²⁾	----	25A ⁽¹⁾⁽²⁾	----
Number of MAXI Fused Outputs	3	3	----	3	----
MAXI Fuse Ratings (Max)	40A ⁽¹⁾⁽²⁾	40A ⁽¹⁾⁽²⁾	----	40A ⁽¹⁾⁽²⁾	----
Number of GMT Fused Outputs	----	----	12	----	12
GMT Fuse Rating (Max)	----	----	15A ⁽¹⁾⁽³⁾	----	15A ⁽¹⁾⁽³⁾
Operating Voltage Range	← 10-30VDC →		10-60VDC	10-30VDC	10-60VDC

Mechanical

Form Factor	← 1RU - 19 Inch Rack Mount With Handles →				
Dimensions (inches) L x W x H	5.4 x 19.0 x 1.72	← 9.29 x 19.0 x 1.72 →			
Weight (lbs/kg)	4.0 lbs / 1.8 kg	← 7.0 lbs / 3.2 kg →			
Fuse Position	← Front Panel →				
LED Alarm Indicators	← Front Panel →				
LCD Digital Display	----	← Front Panel →			

Connectors

Rear Panel	DC input stud connectors, DC output terminal blocks, Form C alarm contacts, grounding stud, RJ-45 Ethernet ⁽⁴⁾
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Environment

Operating Temperature Range	← -20C to +60C →
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Communications and Control

Remote Alarms	← Form C alarm contacts (C/NO/NC) →				
LAN Communications	----	← TCP/IP, built-in web server and graphical user interface →			
Security	----	← SSL encryption, password protected →			
Remote Status Monitoring	----	← System voltage and current, current draw at each output →			
Email and SMS Alerts	----	← Two individual email or text accounts, adjustable intervals →			
Data Logging	----	← Up to 30 hours at 1 minute sampling rate, csv file download →			
Remote Power Control	----	----	----	Each DC output on/off selectable	
Power-up Delay Sequencing	----	----	----	User selectable 0 to 60 second delay between outputs energizing	
Auto Load Shedding	----	----	----	User selectable low-voltage setting and output selection, manual or auto restart	
Unassisted Power Cycling	----	----	----	Outputs will power cycle with no external command required	

(1) Please follow all recommendations of the fuse manufacturer. Generally fuses and wiring should be continuously operated at no more than 80% of their current rating.
 (2) 12/24V models ship with assortment of ATO fuses installed. (3) -48V models ship without GMT fuses. (4) Intelligent and Broadband models only.