

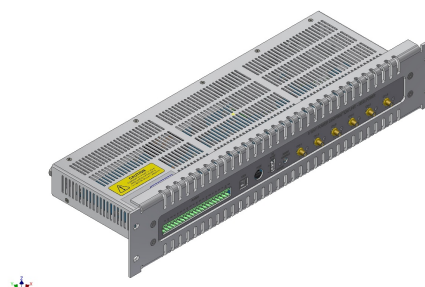
PDU0009F1V3-9

6-WAY POWER DISTRIBUTION UNIT

The PDU0009 power distribution unit has been designed to allow multiple TMAs to be fed from a single feeder and operate in a CWA mode configuration. This application is especially suited to multi-band, high current applications.

FEATURES

- 22V through 60 V DC input range
- Up to six +12V DC LNA output ports
- LED status indicators for each individual TMA
- 80mA ~ 1A per output
- 19 inch rack mounting
- Summary relay alarm



TECHNICAL SPECIFICATIONS

ELECTRICAL	
Voltage requirement	Any polarity, 22 - 60V
Maximum input current	5A
Input protection	10A fuse (slow blow)
Output voltage	12V nominal
Output voltage tolerance	11.2V minimum, 12.7V maximum
Operating current window	80mA~1A per output (customer settable)
Number of outputs	6
Surge protection	24V clamp per output
Input-output isolation	500V DC
Alarm sense	Relay is de-energised on alarm or power off. See alarm cable wiring detail below, R18-0526
Alarm relay contact rating	0.5A @ 60V DC

ALARM AND LED INDICATORS

TMA Status (6x)	
Green	Output is ON and TMA current is in the valid operating range
Red	See alarm window table
Off	No TMA connected
Power status green	OK
Power status red/orange	Internal voltage error (red: DC-DC#1 failed; orange: DC-DC#2 failed); alarm; corresponding outputs are switched off

ALARM WINDOW TABLE

Upon pressing of the front panel switch (RESET / STORE), a current consumption at any / all load port of between 80mA and 1A causes the port to be permanently powered. Some parameter settings such as min/max learnable current and operating current tolerance (40mA) can be altered through the USB PC interface.

TMA current (mA)	Status LNA	Indicator LED (per channel)	Output voltage (CH1 ~ CH6)
<30mA on RESET	No TMA connected	Off	0V
Learned current	Valid operational range. No alarm	Green	12V
Learned current < - offset1	TMA fault	Orange	12V
>Learned current +offset1	TMA fault	Orange	12V
> 1.1A	Short circuit or installation fault, alarm	Red	0V

MECHANICAL

Dimensions H x D x W	483 x 153 x 88mm 19 x 6.02 x 3.46in
Weight	1.5kg 3.31lbs estimated
DC IN connector	Molex mini-fit junior 2-way (x1)
DC OUT connector	SMA-female (x6)
Alarm connector	D25 (F)

ENVIRONMENTAL	
Temperature range	-20°C to +55°C +4°F to +131°F
MTBF	>500,000 hours at 22°C 71.6°F

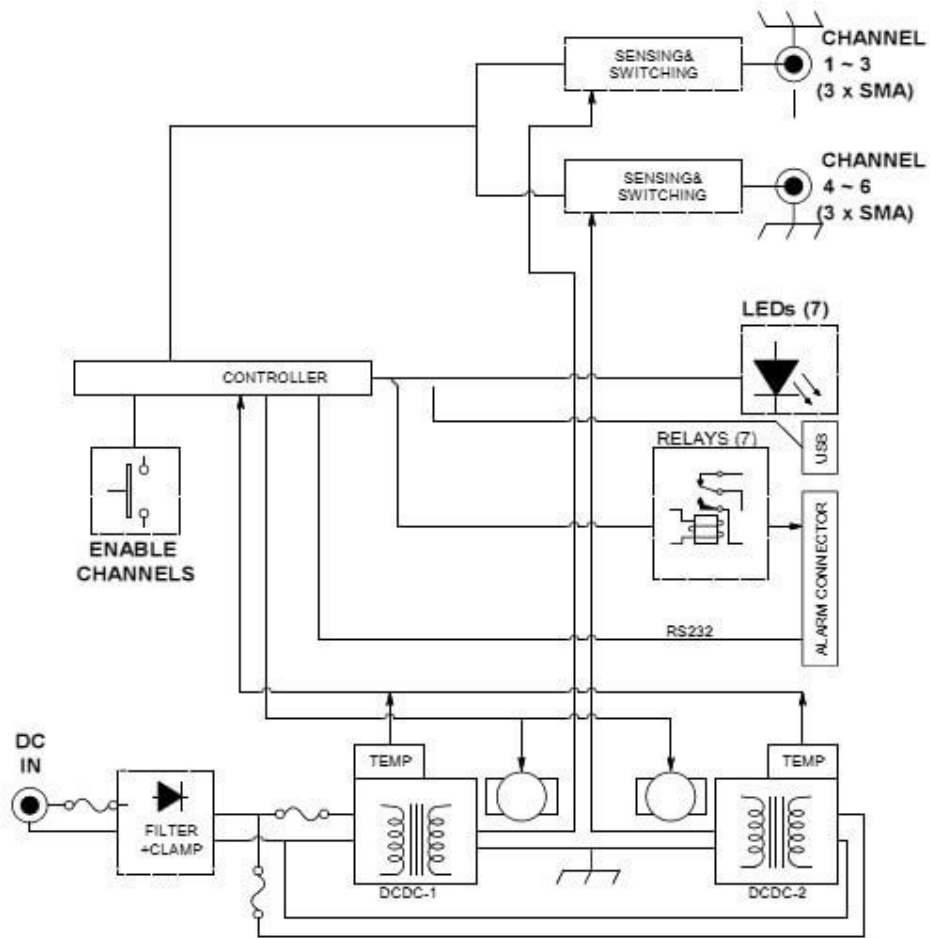
ORDERING INFORMATION

PART NUMBER	DESCRIPTION
PDU0009F1V3-9	6-Way PDU, 1A per port includes DC input cable, connector terminal block plug, earth cable and mounting hardware

STANDARD ACCESSORIES SUPPLIED	
R18-0398	Power cable, 6 meters, molex to open tail
R18-0492	Earth cable, 1meter
R79-0392	7 x three way connector terminal block plug

OPTIONAL ACCESSORIES	
PART NUMBER	DESCRIPTION
R90-DCI0010F1V1	DC Inserter/Bias T outdoor no cable
R90-DCI0010F1Vx	DC Inserter/Bias T indoor kit, x meter cable included
R18-0731	Cable assembly PDU to Bias T, SMA TO SMA 5m
R18-0732	Cable assembly PDU to Bias T, SMA TO SMA 10m

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

