

FPC100

Control Panel for Remote Mounted Converters








The **FPC100** is a rack mounted Control unit designed to interface to the Peak range of remote mounted Agile Frequency Converters and multi-range Block Converter series. It will allow the control of up to 3 separate Converters configured for 2+1 redundancy operation as well as the remote redundancy switch unit.

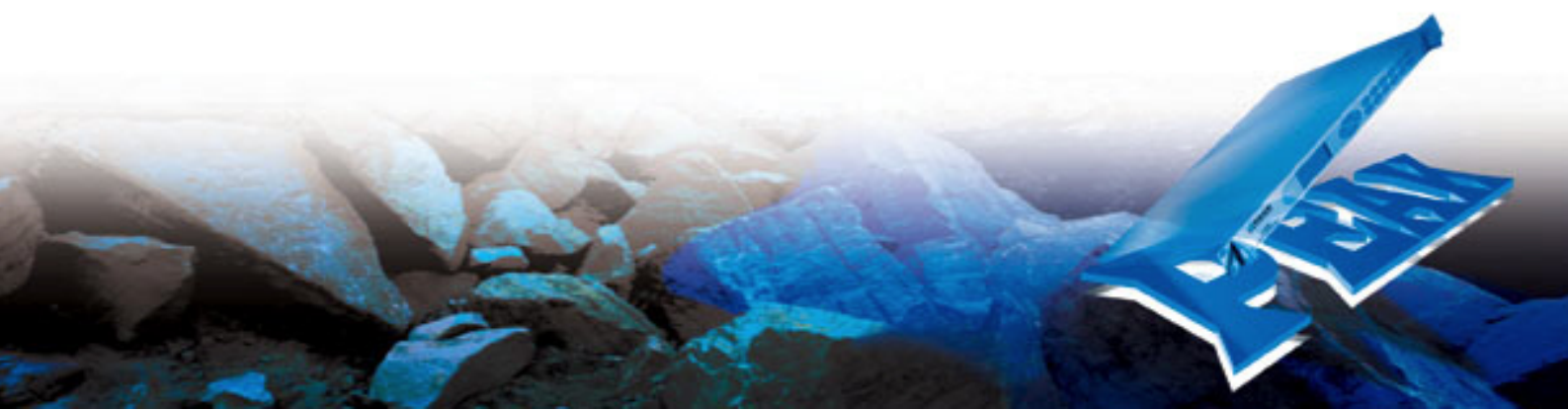
When used with the Peak **P7001R** & **P7002R** Agile Converter units, it allows full remote M&C as well as 1+1 or 2+1 redundancy control when used with the Peak range of Remote mounted Redundancy switching units.

When used with the Peak **PBD(B)** & **PBU(B)** series of multi-range Block Up/DownConverter units, it allows full remote alarm monitoring, control of range selection and 1+1 or 2+1 redundancy control when used with the Peak range of Remote mounted Redundancy switching units.

The **FPC100** incorporates a graphics display module, membrane keyboard and features a clear and intuitive control and configuration menu fully utilising the unique graphics display.

Peak Features

-  Control of up to three Remote mounted Frequency Converters
-  1+1 & 2+1 redundancy control
-  RS232/485 or optional Ethernet remote control
-  Remote trimming of Agile Frequency Converter internal primary frequency reference
-  Alarm monitoring of Agile Converters and Block Converters



FPC100 – Typical Specification

Converter Reference Adjustment (Agile Converters only)

Frequency 10MHz
Adjustment ± 1.0 ppm, software stepped 0.02ppm

Mechanical

Width 19", standard rack mount
Height 1U (1.75")
Depth ~400mm (15.7"), plus connectors
Construction Aluminium chassis
Weight <4.5kgs (10lbs)

Environmental

Operating temp. -10°C to $+50^{\circ}\text{C}$
EMC EN55022 part B & EN50082-1
Safety EN60950

Power supply

Voltage 85-132/170-265VAC, auto-select
Frequency 50/60Hz
Power 50 Watts max.

Control System

Remote Control RS232/ 485 port
Ethernet option; Embedded web server & SNMP network management support (option 9).

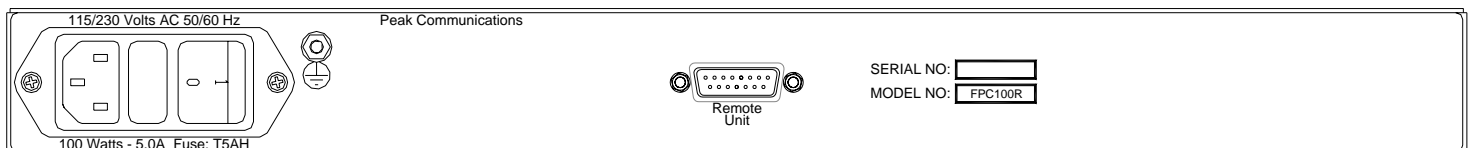
Options

- 2) Front panel with custom logo and colours
- 9) Ethernet interface with embedded web server & SNMP
- 12) Cable Assemblies for interfacing to Remote Mounted Converters – Please consult factory for specific requirements

Associated Products;

P7001R Remote Mounted Agile L-Band DownConverter
P7002R Remote Mounted Agile UpConverter
T1000LR/ R1000LR Remote Mounted 1+1 Redundancy Switch unit
T2000LR/ R2000LR Remote Mounted 2+1 Redundancy Switch unit
PBD(B) series Remote Mounted Block DownConverters
PBU(B) series Remote Mounted Block UpConverters

Rear Panel



Peak Communications reserves the right to alter the specifications of this equipment without prior notice. FPC100-291209.

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