

FPC100




Control Panel for Remote Mounted Equipment



The **FPC100** is a rack mounted control unit designed to interface to the Peak range of remote mounted equipment (including but not limited to agile frequency converters, multi-range block converter etc.). It will allow the monitoring and control of up to 3 separate products (which can be configured for redundancy operation).

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

-  Connects to up to three remote mounted products via Ethernet RJ45 interface
-  MCR &/or hub installation for maintenance & general monitoring/ control intervention purposes
-  Alarm monitoring, frequency/gain/switching control, remote trimming of internal reference frequencies etc.



FPC100 – Typical Specification

Mechanical

Width	19", standard rack mount
Height	1U (1.75")
Depth	~225mm (8.9"), plus connectors
Construction	Aluminium chassis
Weight	<2.5kgs (10lbs)

Environmental

Operating temp	-10°C to +50°C
EMC	EN55022 part B & EN50082-1
Safety	EN60950

Power supply

Voltage	90-264VAC
Option 7;	provides a redundant internal power supply configuration with separate prime power inputs
Frequency	47-63Hz
Power	50 Watts max.

Control System Interface

The unit will allow monitoring and control of the chosen target unit/s or system via Ethernet.

Note; this unit does not provide a gateway interface to the target units/ system, so if an interface to an NMS M&C system is required, this should be implemented directly with the target units/ system (via an Ethernet hub).

Local interface	Graphics display & keypad
Alarms	PSU fail

DC Drive Generation – Option 1

Drive	Fed to BDC/ BUC via a separate, 9-way, D-Type connector
Voltage	+17 to 36VDC (factory settable, please specify on order placement)
Current	2A max (for higher current please consult the factory)

Options

- 1) DC drives for remote mounted block converters (PBU(B) & PBD(B) series only).
- 2) Front panel with custom logo and colours
- 7) Redundant power supplies with dual mains inputs
- 12) Cable assemblies for interfacing to remote mounted converters – Please consult factory for specific requirements

Associated Products;

- P7001R** Remote Mounted Agile L-Band Down Converter
- P7002R** Remote Mounted Agile Up Converter
- T1000LR/ R1000LR** Remote Mounted 1+1 Redundancy Switch unit
- T2000LR/ R2000LR** Remote Mounted 2+1 Redundancy Switch unit
- PBD(B) series** Remote Mounted Block Down Converters
- PBU(B) series** Remote Mounted Block Up Converters
- Etc.

Rear Panel

