PDM10B INTERFACING MODULE

The PDM10B is pcdata's compact power supply and data interface for distrib systems. It is the link between a server in a TCP/IP network and logistic pcdata displays. Instructions from the server are converted and send to the connected displays and vice versa.

It has a universal AC input range and 24V DC output to power the display system. It can support up to 50 DIS5-displays or 200 DIS4-displays.

Because it can be mounted on the display rail, it is easy and quick to install. It enables both primary and secondary cabling to be very short. This leads to minimal installation time and material and limits the voltage drop in the DC-line. For the most common connections standard connector assemblies are available.

The 2 output connectors provide more flexibility in connecting RS485 and LIN systems. Both connectors have connections for both systems. The connectors are fixated with a locking wire, to avoid accidental disconnection.

It has indication lights for power, network (link and activity), and serial data activity. This is most useful to check most important functions and detect possible problems.

When the PDM10B is installed on the display rail It can be accessed without problem. It can be removed from its bracket without use of any tool. Because all connectors are on the outside the PDM10B can be exchanged by any personnel available. This makes the PDM10B a very good serviceable part of any display system.

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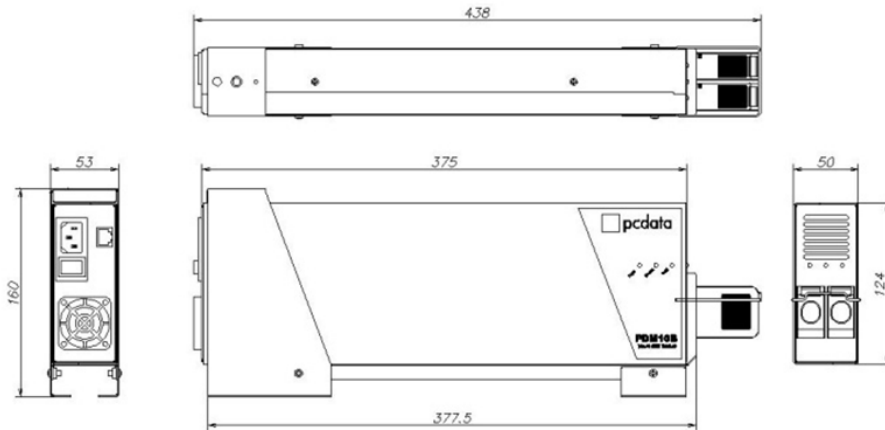
Specifications

Input voltage:	100~240V AC, 50~60Hz
Input current:	4A at 115V or 2A at 230V (maximum)
Output voltage:	24V DC (+/-1%)
Output current:	0~8,5A (rated)
Efficiency:	85% (Typical)
Protections:	over load, over voltage, short circuit, thermal
Network interface:	10/100 Mbit (RJ45)
Network protocols:	TCP/IP, Distrib protocol for display communication is integrated
Serial interface:	RS485 (2-wire) + LIN (1-wire)
Serial baud rate:	9600 bps
Housing:	Aluminium (nickel plated), Bracket: Steel (black coated)
Dimensions (LxWxH)	438x124x50mm (17.24x4.88x1.97in)
Weight:	2,5kg (5,5 lbs)
Operating Environment:	5~50℃ (41~122℉), 10~90% RH non condensing
Storage temperature:	-20~66℃ (-4~151℉)
Approvals	CE