

The Power Insight Adapter provides an interface between a personal computer and up to four Power Insight enabled gate drives. Using the Power Insight Configurator attached gate drives can be configured, and measurement and fault data can be read back.

- Connect up to four Power Insight Enabled gate drives
- USB Interface to Personal Computer
- Ethernet Interface to Personal Computer
- SD Card for data logging
- Operating temperature range: 0°C to +70°C
- LED status indication
- Lead free design, RoHS compliant
- 12 months warranty
- Provided with power supply

The Power Insight Adapter is used with the Power Insight Configurator application software available from Amantys Power Electronics website ([www.amantys.com](http://www.amantys.com)). The Power Insight Configurator runs on a personal computer and is used to control the configuration options and read back data from a Power Insight Enabled Gate Drive.

#### Power Supply Characteristics

All data refers to +25 °C unless otherwise stated

Parameter	Notes	Units	Min	Typ	Max
Nominal Supply Voltage	Power supply provided	V	5.0		15.0
Supply current		mA			1000

#### Physical Parameters

Parameter	Notes	Units	Min	Typ	Max
Length	All dimensions have a tolerance of +/- 1.0mm	mm			128
Width		mm			105
Height		mm			34
Weight		g		275	

#### Fibre-optic Interface

Interface	Description	Manufacturer	Part Number
Optical input (PWM)	Receiver	Firecomms	FR50MHIR
Optical output (ACK)	Transmitter	Firecomms	FT10MHLR

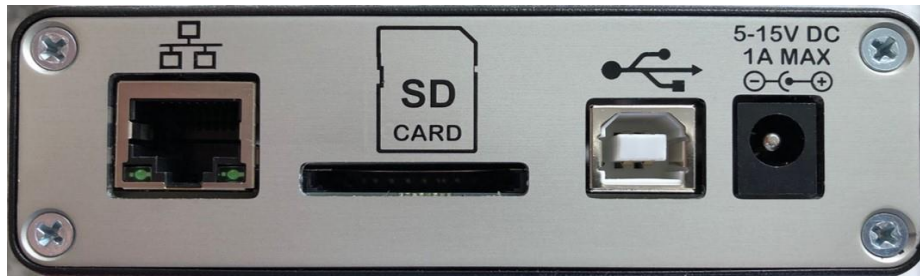
Note:

Older versions of the Power Insight Adapter used the Avago AFBR-2529Z and AFBR-1529Z fibre optic transceivers.

**Front Panel View**



**Back Panel View**



**Legal Disclaimer**

This data sheet specifies devices but cannot promise to deliver any specific characteristics. No warranty or guarantee is given - either expressly or implicitly - regarding delivery, performance or suitability. Amantys Power Electronics Limited reserves the right to make modifications to its technical data and product specifications at any time and without prior notice. The general terms and conditions of delivery of Amantys Power Electronics Limited apply.

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**Important Information**



The data contained herein is intended exclusively for qualified engineers who are experienced with, and trained in, working with high voltage apparatus which involves risk to life. Strict compliance with all relevant safety regulations for the target application is essential. Any handling of electronic devices is subject to the general specifications for protecting electrostatic sensitive devices according to international standard IEC 747-1, Chapter IX or European standard EN 100015 (i.e. the workplace, tool, operating environment, etc. must comply with these standards). Failure to comply may lead to the product becoming damaged.