

2C23 Profibus DP



Overview

Electrical Interface Modules (EIM) connect the copper signal to digital signal for transmission over fiber via the Optical Interface Module (OIM). The basic modem configuration consists of a power supply, an EIM and an OIM. Additional modules may be added to configure daisy-chain, star and self-healing ring (SHR) topologies.

Technical specification

Feature	Description
Protocol and extra features	Profibus - DP, self-healing ring and external 24Vdc power
Communications data rate	9.6K, 19.2K, 45.45K, 93.75K, 187.5K, 500K, 1.5M, 3.0M, 6.0M & 12.0M
Copper cable connector	DB-9 Pin
Copper cable end termination	User supplied
Maximum devices and copper cable length supported per module	Per Profibus Specifications
Ambient conditions	-40 to 85° operational, 0-95% relative humidity non-condensing
Power requirement (bus)	9Vdc @ 200mA maximum per module
Power indicator	Green LED
Communications activity indicator	Amber LED
Certifications	CE Marked, Class I, Division 2, Groups A, B, C & D (on selected models), US and Canada
Weight	< 9oz
Accessories	Power supply: 2A06, 2A16, 2A08, 2A18
Installation instructions	Shipped with product or available on request

Technical notice: 2C22 and 2C23 Profibus EIMs, and 2E06, 2E07, 2E09, 2E10, 2E19, 2E36, 2E46, 2D06, 2D07, 2D09, 2D10, 2D19, 2D36 and 2D46 OIMs used together in the EOTec 2000 fiber optic modem system. Symptom: when using Profibus modules with the OIMs listed above, erratic communications and/or LED indicator functions may be encountered. Changing the OIM(s) in the modem stack may correct the issue. Products and versions: the issue lies with a particular firmware version installed in the EOTec 2000 OIM manufactured during portions of calendar year 2006 and 2007. A particular optical module's firmware version may cause the issue but only when used in conjunction with the Profibus modules 2C22 and 2C23. The firmware in question was installed in EOTec 2000 Series OIM beginning with serial number 0102986 and ending 0111538. Upgrades: EOTec 2000 series OIMs that are within the warranty period can be returned to the factory and their firmware will be upgraded to the latest version at no charge. Contact Ultra Energy or your distributor for additional information, determining warranty and non-warranty and to obtain a return authorization number for returns to the factory.

About Ultra Energy

Organizations working with nuclear and industrial technologies must deliver reliable production at the same time as safeguarding people, the environment and infrastructure. We develop and manufacture measurement and control solutions that give our customers complete, long-term control over systems operating in harsh environments, helping them operate safely and increasing the value derived from their investments over their total lifespan.

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