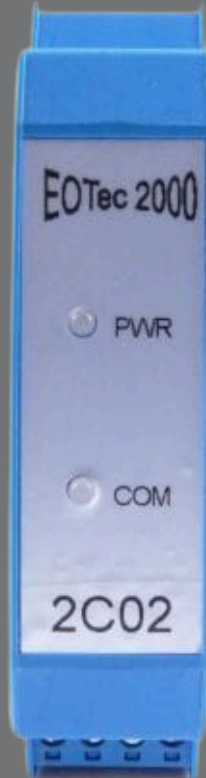


# 2C10 - RS232 or RS485 multi-drop electrical interface module



## 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
Protocols and extra features	RS-232 or RS-485 multi-drop
Communications data rate	RS-232: 9.6K-115K Baud, RS-485: 9.6K-230K Baud, half duplex
Copper cable connector	Pluggable screw terminal 12 to 24AWG (0.5-2.4mm) cage clamp
Copper cable end termination	RS-232: N/A, RS-485: user supplied
Maximum devices and copper cable length supported per module	RS-232: 1 Unit, 50ft (15m), RS-485: 30 Units, 4000ft (1.2km)
Ambient conditions	-40 to 85°C operational, 0-95% relative humidity non-condensing
Power requirements (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: Model 2C10, RS232/RS485 Electrical Interface Module when utilized in a fully populated EOTec 2000 Fiber Optic Modem. REVISIONS AFFECTED: Currently, all revisions of the 2C10 may experience the symptoms outlined below. SYMPTOM: When utilizing the Model 2C10 in an EOTec 2000 Fiber Optic Modem and that modem is fully populated with four (4) additional interface modules (optical or electrical) and a power supply, intermittent communications errors or loss of communications may result. Removal of one of the interface modules restores communications in the other modules. FIX: A fully populated modem containing a 2C10 and four optical or electrical interface modules requires the addition of a model 2CTR termination connector. The 2CTR is plugged into the module interconnection bus on the right-hand side of the module bundle. It will add less than 0.5' to the bundle width and will not interfere with the use of the 2A09 end clamp. OBTAINING A 2CTR: Contact your distributor or Weed Fiber Optic Customer Service for additional information or to obtain the 2CTR termination connector.



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