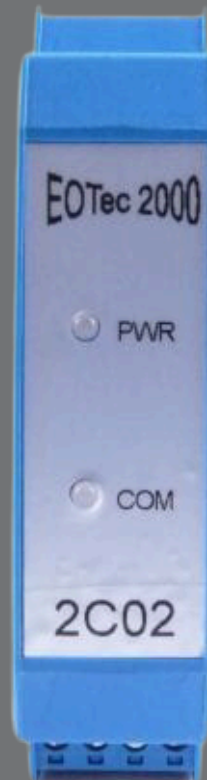


# 2C29 - Modicon Modbus Plus



## 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	Modicon Modbus Plus
Communications data rate	1.0M Baud
Copper cable connector	DB-9 Pin
Copper cable end termination	User supplied
Maximum devices and copper cable length supported per module	Per Modbus plus specifications
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
Mounting and weight	35mm DIN rail, 9oz
Accessories	Power supply 2A06, 2A16, 2A08, 2A18
Installation instructions	Shipped with product or available on request

TECHNICAL NOTICE: The Model 2C14 product releases prior to July 1, 2011 when used in conjunction with newer releases of Schneider Electric product 140CPA93100 SYMPTOM: Communications errors or no communications with all or some remote drops. ISSUE: The Schneider Electric Model 140CRA93100 Modicon Remote I/O Communications Module with the following version identifiers PV\_09, SV\_2.0, RL\_01, DOM\_1102 has exhibited communications issues with the Model 2C14 having serial numbers prior to 0137979. Up until this Schneider Electric release, there were no issues with the communications that were not resolvable. However, with this latest Schneider Electric release, issues have been noted that were unresolvable. A new version of the Model 2C14 (SN 0137979 and above) was released on or about July 15, 2011 primarily to improve the coaxial loss budget from 20dB to 35dB. By coincidence, this new 2C14 version is also totally compatible with all Schneider Electric 140CRA93100 releases, including the one outlined above. As noted, the issue was instigated by a revision to the Schneider Electric product and as such is not a warranty related issue with the Model 2C14 product. WORK-AROUND: The latest version of the 2C14 is backwards compatible with the older versions of the product and can be combined within the same network system should a newer version of the Model 140CRA93100 be added to the system.



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Curtiss-Wright Corporation (NYSE: CW) is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding commercial power, process and industrial markets. We leverage a workforce of approximately 8,600 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships.