



The 2C20 Module provides electrical interface to the Allen-Bradley ControlNet protocol by conditioning the electrical signals supplied to and from the ControlNet network for transmission over fiber optic cable.

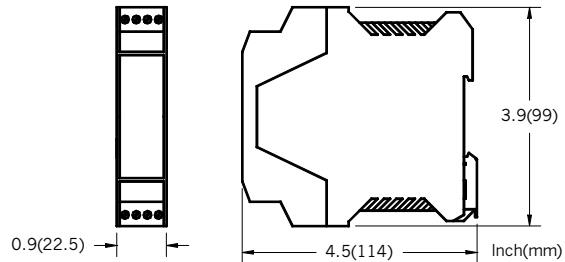
A basic modem configuration consists of a Power Supply, an Electrical Interface, and an Optical Interface Module. Additional modules may be added to configure Daisy Chain, Star, Self-Healing Ring topologies and to provide redundancy. A maximum combination of five optical or electrical modules may be connected together in one modem, inter-module communications and operating power is achieved through the integrated module BUS backplane connections. A ControlNet optical repeater requires a 2C20 module for precise regeneration of the signal.

## Specifications

### Mechanical:

Mounting: 35mm DIN Rail

Weight: < 9 oz ( 250g )



Communications Data Rate:	5.0M Baud
Copper Cable Connector:	BNC
Copper Cable Connection:	Through a ControlNet TAP at any location on the trunk cable
Maximum Nodes/Cable Length:	Conforms to ControlNet device specifications, all ControlNet requirements apply
Propagation Delay per Modem Pair:	560ns maximum
Power Requirement (BUS):	9VDC @ 200mA Max per module
Power Indicator:	Green LED
Communications Activity Indicator:	Amber LED
Ambient Conditions:	-40 to 85°C Operational Temperature Range 0 to 90% Relative Humidity Non-Condensing



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