

C440-COM-ADP

Communication Adapter

Installation:

The C440-COM-ADP communication adapter is designed to be used in industrial applications and installed in accordance with this document. The device is intended for use in clear, dry environments.

Mount the Comm. Module With Com-Adapter

The communication adapter can combine with various communication modules for customer application requirements. See TABLE 1 for optional comm modules available. To mount the communication module to a communication adapter, the following procedure must be preformed.

- Place the tabs opposite the communication module into the lower slots provided on the communication adapter right side.
- Pivot the module on the lower tabs toward the communication adapter.
- Gently press the communication module and communication adapter together. So the combination of communication module and communication adapter will become an integrated communication module kit.

TABLE 1. Optional Communication Module to Combine with Communication Adapter

Description	Eaton Catalog #
Modbus Communication Module with 120Vac	C441N, Style # 3-2373-003B
Modbus Communication Module with 24Vdc	C441P, Style # 3-2373-004B
DeviceNet Communication Module with 120Vac I/O	C441K, Style # 3-2373-001B
DeviceNet Communication Module with 24Vdc I/O	C441L, Style # 3-2373-002B
PROFIBUS-DP Communication Module with 120Vac I/O	C441S, Style # 3-2398-001B
PROFIBUS-DP Communication Module with 24Vdc I/O	C441Q, Style # 3-2398-001B

Mount the Communication Module Kit in Application Field

The communication adapter provides 2 optional mounting methods for the customer.

- 35mm DIN Rail Mounting
- Panel mount features 85x25mm with two # 10-24 x .500 screws

Connect the Communication Adapter to C440 EOL/S611 Soft Starter

- See FIGURE 1 for wiring information.
- Reference installation leaflet for appropriate communication module for additional wiring information.
- Use wire with minimum 600V insulation.
- For communication connections, use 16 AWG shielded, twisted pair.

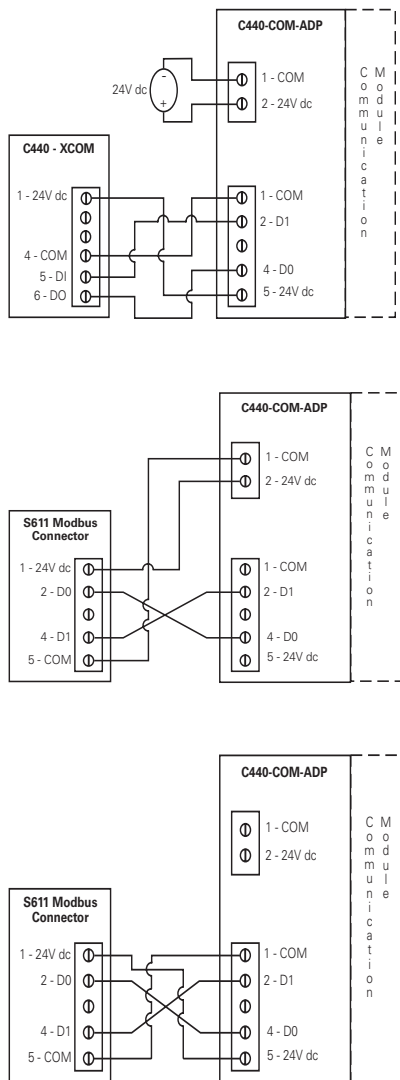
Communication Module Kit setup and configuration

The communication module kit requires no extra setup or configuration for normal operation. For more information, refer to the installation leaflet for the appropriate communication module.

Please go to www.eaton.com.



Powering Business Worldwide

FIGURE 1. Terminal Connection Diagram

Note: “24V dc” points in 2 pole connector and 5 pole connector are tied together internally, as well as corresponding “COM” points in C440-COM-ADP.

TABLE 2.**Power Terminal Connection Specifications**

PIN #	CIRCUIT	RECOMMENDED WIRE COLOR	DESCRIPTION
1	COMMON	Black	Power supply common
2	24V dc	Red	Power supply 24V dc

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TABLE 3.**Communication Terminal Connection Specification**

PIN #	CIRCUIT	EIA-485 Name	WIRE COLOR	DESCRIPTION
1	COM	C/C'	Grey	Signal and power supply com.
2	DI	B/B'	Yellow	Transceiver terminal 1, V1 Voltage, Data+ (V1>V0 for binary 1 [Off] state)
3	N/C			
4	D0	A/A'	Brown	Transceiver terminal 0, V0 Voltage, Data+ (V0>V1 for binary 1 [ON] state)
5	24V dc		Red	Power Supply 24V dc

TABLE 4. Environmental Ratings of the Module

Transportation and Storage	Temperature	-50°C to 85°C (-58°F to 185°F)
	Humidity	5-95% non-condensing
Operating	Temperature	-40°C to 65°C (-40°F to 149°F)
	Humidity	5-95% non-condensing
	Altitude	Above 2000 meters (6600 feet) Consult factory
	Shock IEC 60068-2-27	15G any direction for 11 milliseconds
	Vibration IEC 60068-2-6	3G in any direction
	Pollution Degree	3

TABLE 5. Approvals/Certifications

Agency Certifications	UL508 CUL (CSA C22.2 No. 14) CE (Low Voltage Directive)	
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TABLE 6. Module Electrical requirements

Voltage Range	18 - 30 Vdc
Current Draw	Approx. 30 mA

Notes:

For use with Eaton UL Listed Power Supply Catalog Numbers, PSS55A, PSS55B, PSS55C, or PS160E.

Any UL Listed isolated power supply with a maximum of 30Vdc out may be used, provided that a UL Listed of Recognized Fuse rated at no more than 3A maximum be installed.



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