



Anybus E300 MBTCP

MODBUS TCP COMMUNICATION MODULE FOR THE ALLEN-BRADLEY E300 ELECTRONIC OVERLOAD RELAY



The Anybus-E300-MBTCP Communication Module is designed to work with the Allen-Bradley E300 Electronic Overload Relay from Rockwell Automation. When an E300 needs to be integrated with a Distributed Control System (DCS) that uses Modbus TCP as its communication backbone, this module enables the E300 to function as a Server node on the Modbus TCP network. The Modbus TCP Communication Module allows the DCS to send control commands to the E300 and monitor the device via Ethernet. Modbus TCP is commonly used in many industries, such as water and wastewater facilities, heavy industries such as Oil and Gas, Chemicals and Mining, as well as others.

FEATURES & BENEFITS

- Connects directly to the E300 Relay
- Modbus TCP server functionality
- Web-based configuration interface
- 2-port Ethernet switch

CONNECTS DIRECTLY TO THE E300 RELAY

The E300 Relay is comprised of three modules: A Sensing Module, a Control Module, and a Communication Module. The Anybus-E300-MBTCP is a Communication Module and is an integral part of this three-module configuration. It plugs in directly into the top of the Control Module and is secured into position with a locking tab.

MODBUS TCP SERVER FUNCTIONALITY

With the Anybus-E300-MBTCP, the E300 Relay is a Modbus TCP Server node on the network. Any Modbus TCP Client device or application can exchange data with the E300. Inputs such as current, voltage, power, and trip status can be read from specific Modbus registers. Also, configuration parameters and setpoints can be sent from the primary client. Up to four simultaneous connections are supported.

WEB-BASED CONFIGURATION INTERFACE

Configure the E300 Relay internal settings and network parameters via an easy-to-use on-board web server. Live data can be viewed in parameter monitor pages, and a diagnostic menu allows you to check device and network status.

2-PORT ETHERNET SWITCH

The integrated 2-port Ethernet switch enables connecting multiple E300 Relays in a daisy-chain fashion, eliminating the need for a stand-alone Ethernet switch.

TECHNICAL SPECIFICATIONS

Ethernet connector	RJ45 x 2
Power consumption	Typical: 220 mA @ 5 VDC
Storage temperature	-40 to +85 °C
Operating temperature (open)	-20 to +55 °C
Operating temperature (enclosed)	-20 to +40 °C

Humidity	EN 60068-2-78: Damp heat, +40°C, 92% humidity for 56 days EN 60068-2-30: Damp heat, +25°C – +40°C, 93% RH, 21 cycles
Cooling Method	Natural convection
Vibration	IEC 68-2-6: 5 G operating, 5 G non-operating
Shock	IEC 68-2-27: 30 G
Protection class	IP20
Product weight	85 g
Dimensions	32 x 44,8 x 89,3 mm (H x W x D)
Modbus TCP connections	Up to 4 simultaneous connections
Modbus TCP port number	502

ORDERING INFORMATION

ORDER CODE: 028810

WARRANTY: 3 years

For purchasing instructions and terms and conditions, see: [How to buy](#)