Seven communication options offer more solutions

True system reliability starts with the right choices. The Form 6 control offers a full range of flexible communication mediums to meet your specific protocols. The Form 6 control offers more communication options for better flexibility and control—all with the latest technology for communication protocol support.

Back panel Ethernet and communication options

- Standard (RS-232)
- RS-485
- Serial fiber
- Ethernet 10/100BASE-T
- Ethernet 100BASE-FX, multi-mode fiber
- Ethernet 10/100BASE-T, 100BASE-FX
- Ethernet 100BASE-FX, single-mode fiber

The communication board accessory offers high versatility with respect to communication medium and protocol support. Additional accessories are being continuously developed.

Eaton's Cooper Power™ series Form 6 recloser controls offer a communication board accessory (expansion bay) that provides versatile support for modern communication media, including radios. Seven distinct communication options are available, providing two-way, real-time digital communications with a remote terminal unit (RTU), a wireless, telephone modem, an Ethernet network or other communication devices.

RS-485 serial communication card

- Establishes asynchronous link-based digital communications with the Form 6
- RS-485 port uses a single shielded twisted-pair connection and can support 16 devices in multi-drop configuration
- Communication speed is controlled through software and can be set at: 1200, 2400, 4800, 9600, 19.2 k, 38.4 k, 57.6 k and 115 kBPS (not all protocols support all speeds)
- Digital communications must be programmed through the Communications Workbench™ to ensure proper operation

Fiber-optic–based serial communication card

- Provides enhanced communication quality
- Establishes asynchronous digital communications through multi-mode fiber media
- Enhances communication reliability and provides excellent electrical isolation, protecting transmitted data from extraneous electrical interference
- Fiber-optic connectors enable connection to a digital communication system using fiber-optic cables

Ethernet communication card

- Highly flexible solution increases system reliability
- Brings the Ethernet network connectivity to the Form 6 recloser control platform
- Offers simultaneous support for multiple sessions, device management (ProView™ over TCP/IP) and SCADA communications (DNP3 over TCP/IP)
- Ensures seamless interoperability with other network devices
- Offered in four physical layer configurations (twisted pair and optical-fiber options)
- Equipped with two ports configured to act as primary and standby LAN connections
- Backup communication port enables creation of highly redundant Ethernet networks, increasing overall system reliability

For Eaton's Cooper Power series product information, visit
www.eaton.com/ cooperpowerseries

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