

Distribution Protection



Form 6 Recloser Control Communications

Seven communication options offer more solutions.
The Form 6 control offers a full range of flexible communication mediums
to meet your specific protocols.

COOPER Power Systems

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True system reliability starts with the right choices.

Back Panel Ethernet and Communication Options:

- Standard (RS-232)
- RS-485
- Serial Fiber
- Ethernet 10/100 Base-T
- Ethernet 100 Base-FX, multi-mode fiber
- Ethernet 10/100 Base-T, 100 Base-FX
- Ethernet 100 Base-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.

For more information about Form 6 microprocessor-based control communications, call 1-877-CPS-INFO or visit www.cooperpower.com.

The Form 6 control offers more communication options for better flexibility and control – all with the latest technology for communication protocol support.

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), wireless, telephone modem, Ethernet network, or other communication devices.

RS-485 Serial Communication Card

- Establishes asynchronous link-based digital communications with the Form 6 recloser control.
- 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, 19.2k, 38.4k, 57.6k, and 115kBPS. (Not all protocols support all speeds.)
- Digital communications must be programmed through the Communications Workbench to ensure proper operation of the RS-485 communication card accessory.

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 Cards

- 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.

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