

CONTROLLED POWER COMPANY

Rectifier Options: Distributed I/O with PLC Remote

Available On: Series 30, Series 50, Series 70, and Series 1800/2400

This option allows for a PLC remote, which is connected via Ethernet to distributed I/O in the rectifier. With this option, a Controlled Power Company rectifier can be monitored and controlled using a CPC-supplied panel enclosure containing a PLC, HMI, as well as other required ancillary equipment such as E-stops, indicator lamps, pushbuttons, safety relays, network switches, etc. The remote will communicate with one or more rectifiers over Serial/Ethernet. Located within the rectifier, is a distributed I/O rack for interfacing with the PLC. Using distributed I/O negates the need for running multiple analog wires, unnecessary conduit, and additional I/O in the PLC. Supported PLC brands include Allen Bradley, Mitsubishi, Schneider, Siemens, Omron, and others. Each remote will be customized to the customer's needs and requirements. Below is a drawing of a typical system.

PLC Remote with Distributed I/O

