



VALQUEST
SYSTEMS INC.



VQ-3015

An Analog and Digital Expansion Module for the VQ-2015 RTU

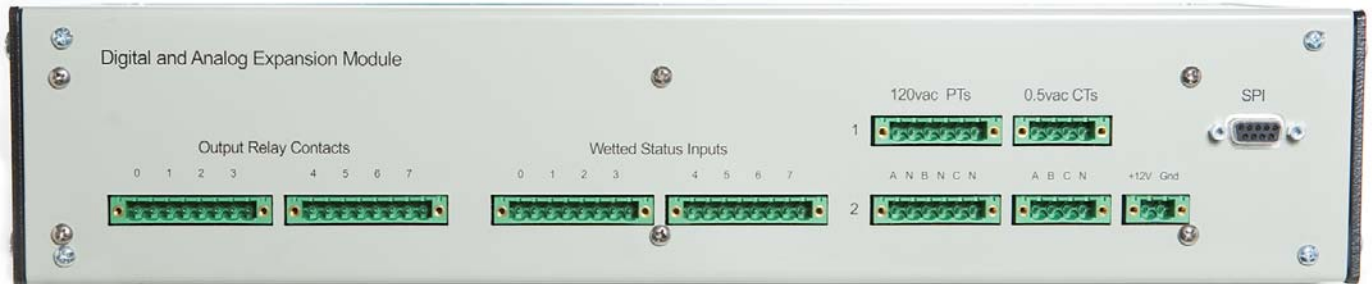
The VQ-3015 reads Voltage information from PTs and Current information from CTs and then calculates:

- kVAr
- kW
- Power Factor
- Phase Angle
- Voltage
- Current

The VQ-3015 monitors opto-coupled digital inputs and stores the status information listed above. It responds to queries from a VQ-2015 with this analog and digital information. It also operates relays based on commands received from a VQ-2015.

Features

- VQ-3015 is field programmable through a VQ-2015 RTU.
- Calibration and functional verification is done with the same program.
- Settings and calibration factors are stored in non-volatile EEPROM.



Technical Specifications:

Rear view

| | |
|----------------------------|-----------------|
| Voltage Measurement | +/- 0.5% |
| Current Measurement | +/- 1.0% |
| Phase Angle Measurement | +/- 0.5° |
| kW Measurement | +/- 0.5% |
| kVAr Measurement | +/- 0.5% |
| kVA Measurement | +/- 0.5% |
| Power Factor Measurement | +/- 0.5% |
| Line Frequency Measurement | +/- 0.02 Hz |
| Temperature Range | -40°F to 165°F |
| Humidity (Non-Condensing) | 0 to 100% |
| Operating Voltage | 12 VDC |
| Relay Contact Rating | 10 Amps |
| Enclosure | 3.5" x 19" Rack |

VQ-3015 Input / Output

| | |
|------------------------------------|---|
| Voltage Inputs | 6 |
| Current Inputs | 6 |
| Digital Inputs (Opto-Coupled) | 8 |
| Relay Outputs (Opto-Coupled Drive) | 8 |