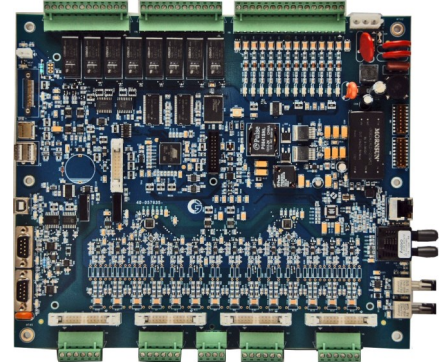


6ACP6 Feeder Automation Device

IED Gateway and Field Measurement of Three Phase Voltage, Current and Power



The 6ACP6 provides you with the platform for remote interrogation of IEDs or transducerless monitoring and control where there is no IED available. It is the ideal platform for implementing your distribution automation projects.

The 6ACP6 can directly accept line post inputs or instrument transformer secondaries and automatically compute and report demand, consumption and power factor values necessary for your distribution automation programs such as automated sectionalizing, and Volt-VAR control.

Computed values include:

Phase A, B, C Fault Currents	Neutral Current
Phase A, B, C, & total circuit Watts	+/- Watt hours
Phase A, B, C, & total circuit VARs	+/- VAR-hours
Phase A, B, C, & total circuit VA	Operations Counters
Phase A, B, C, and avg. circuit PF	Ambient Temperature

Distribution Automation Platform

The 6ACP6 is specifically designed for the rugged feeder environment, and for use with your available serial or TCP/IP based communications infrastructure. Built in serial, fiber and Ethernet interfaces will permit the 6ACP6 to grow with your system. A large library of Client and Server communications protocols will allow easy interface to your existing IEDs and SCADA master stations.

The 6ACP6 is the ideal platform for your feeder automation applications:

Capture fault waveforms for manual or automated retrieval

Extracts and concentrates data from any IED

Provides pass through network connection to an IED for engineering and programming purposes

Full complement of serial ,TCP/IP, web server, and HMI interfaces

Permits sophisticated automation scripts, for voltage, capacitor or feeder management

Internal algorithms for implementing automated sectionalizing

Large library of client and server protocols

Convenient USB interface for LCD Access

Real time clock with supercap backup

6ACP6 Feeder Automation Device

SPECIFICATIONS

Control Outputs	4 control points each with 2 momentary Form C contacts, 10 amps @ 30 Vdc/250VAC								
Status Inputs	12 contact inputs (configurable as pulse accumulators), optically isolated.								
AC Analog Inputs	Two sets of three phase voltage inputs and two sets of three phase current inputs or Single set of three phase voltage inputs and three sets of three phase current inputs. Requires the accompanying 6PTP1 and 6CTP2 CT and PT Interface panels. <table border="0"> <tr> <td>Phase A, B, C Fault Currents</td> <td>Neutral Current</td> </tr> <tr> <td>Phase A, B, C and total circuit Watts</td> <td>+/- Watt hours</td> </tr> <tr> <td>Phase A, B, C and total circuit VARs</td> <td>+/- VAR-hours</td> </tr> <tr> <td>Phase A, B, C and total circuit VA</td> <td>Switch Operations Counter</td> </tr> </table>	Phase A, B, C Fault Currents	Neutral Current	Phase A, B, C and total circuit Watts	+/- Watt hours	Phase A, B, C and total circuit VARs	+/- VAR-hours	Phase A, B, C and total circuit VA	Switch Operations Counter
Phase A, B, C Fault Currents	Neutral Current								
Phase A, B, C and total circuit Watts	+/- Watt hours								
Phase A, B, C and total circuit VARs	+/- VAR-hours								
Phase A, B, C and total circuit VA	Switch Operations Counter								
DC Analog Input	One DC analog input 0 ±1 mA dc, 4-20 ma or 0-5 Vdc standard scaling, resolution 16 bits ,0.1%. CMRR: >70dB common mode noise rejection@60 Hz								
Ports	One RS 232C and one RS-485 client or server ports (user configurable). One diagnostic USB 2.0 Port. Two USB 2.0 HMI / LCD Port One 100BaseTX Ethernet port One 100BaseFX Ethernet port One 10BaseFL Serial Fiber Port One TTL level serial expansion port								
Server Protocols	DNP3 (serial and over IP with secure authentication), Modbus. Large library of legacy protocols.								
Client Protocols	DNP3 (serial and over IP with secure authentication), Modbus, and Fastmeter.								
Configuration	ConfigWiz 2.0, Windows based supplied configuration software. Optional NERC-CIP Compliance Module, Authentication, secure password enforcement and Security Administration Module)								
Power	9 to 36 Vdc input								
Environment	-40° to +85° centigrade, 0 to 95% humidity (non-condensing)								
Physical	-40° to +75° C, 0 to 95% humidity (non-condensing)								

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