1 SIMPLE FRONT PANEL FUNCTIONALITY
   Easy to use and field friendly - allows the user to easily and intuitively change settings and view critical status parameters
2 USB INTERFACE
   Allows your computer to interface with the control using VarWare® Software
3 MULTIPLE SCHEDULES
   Create independent switching configurations based on variations of time / voltage / temperature / current / kVAR
4 MANUAL OPERATION
   Allows user to manually open or close the cap bank switches
5 TEST POINTS
   Allows for measurement of line voltage & phase current
6 DUAL PORT ETHERNET
   Multi-session capable for DNP3 and remote interrogation, set-point changes and firmware updates
7 12VDC POWER SUPPLY
   For typical communication devices. Standard: 12VDC – 1A Optional (for higher power requirements): 12-24VDC – 3A
8 RS-232 COMMUNICATIONS PORT
   For serial DNP communications devices with serial only connections
9 COMMUNICATIONS PANEL
   Allows a variety of communications hardware solutions to be installed with ease. Installation and integration of all communication hardware
   • Two-Way Communications from Multiple Platforms:
     – Mesh Radio Networks
     – Cellular Modern / Router
     – AMI Networks
     – Wide Area Networks
     – Fiber Optics
     – WiMAX Networks
MECHANICAL
MOUNTING: Meter socket, 4 or 6 jaw ringed or pole mount bracket and AMPHENOL® connector
ENCLOSURE: NEMA 3R weatherproof fiberglass; 9.25” W x 11.5” H x 7” D (235 mm x 292 mm x 178 mm); hinged left, lock hasp on right side
WEIGHT: 8.5 lbs. without communications (3.9 kg)

ENVIRONMENTAL
TEMPERATURE: -40°F to +185°F (-40°C to +85°C)
HUMIDITY: 5 – 95%, non-condensing

SETTINGS
USER INTERFACE: Front panel user interface with visible access to most local control settings via rotary and rocker switches
VOLTAGE: CLOSE: 105 – 127 / 210 – 257VAC 50/60Hz;
maximum setting = open volts – 3VAC
OPEN: 108 – 130 / 213 – 260VAC 50/60Hz;
minimum setting = close volts + 3VAC
Time averaged voltage response; setting in 0.1 Volt increments
OPEN/CLOSE TEMPERATURE:
0 – 125°F; minimum spacing 5 degrees
OPEN: 0 – 120°F; no closer than 5°F to Close temperature
MANUAL TIME DELAY: 3 – 600 seconds, 1 second increments
MAX OPERATIONS/DAY: Configurable from 2 – 24
MANUAL TRIP: Close and Open operations delayed by user selected Time Delay. 5-minute reclose delay following Open for capacitor discharge
NEUTRAL AMPS TRIP: 3 – 99A, harmonic filtered, 5-minute time averaged response, manual reset, 5-minute minimum trip time
PT RATIO SET: 1.0 – 500.0 in increments of 0.5
CONTROL MODES: time / voltage / temperature / kVAR / current
with overrides of voltage and temperature as applicable
COMPATIBLE LINE POST SENSORS: Lindsey® CVMI,
Fisher Pierce® 1301, Hubbell and Piedmont
PHASE ANGLE ACCURACY: ±1° lead or lag
CURRENT:
OPEN: 5A to 595A; maximum setting = close amps – 5A
CLOSE: 5A to 600A; minimum setting = open amps + 5A
Time averaged current response; settings in 0.5 Amp increments
KVAR:
OPEN: 280 lagging to 1000 leading (single phase);
least 20kVAR greater than kVAR Close
CLOSE: 2000 lagging to 10 lagging (single phase)

TECHNICAL
POWER REQUIREMENT: 100 – 140 or 200 – 260VAC, 10W
OUTPUT CONTACTOR: 30A, 120/240VAC; 15 second “on” duration for motor and solenoid operated switches
FUSE: 15A SLO-BLO®
TEST POINTS: Insulated banana jack ports for voltage and current
SURGE / LIGHTNING PROTECTION: ANSI C37.90.1
VOLTAGE ACCURACY: ±0.4%, 0.1VAC resolution
CURRENT ACCURACY: ±1.0%, 0.5A resolution
TEMPERATURE ACCURACY: ±1°F, 1°F resolution
TIME ACCURACY: Temperature compensated oscillator, ±0.001%
CLOCK BACK-UP: Capacitor – 10 days
DISPLAY: Liquid Crystal, -22°F to +176°F (-30°C to +80°C)
COMPUTER INTERFACE: USB port using VarWare Software.
Bluetooth® wireless (200 ft. range), optional
COMMUNICATIONS INTERFACE: RS-232 serial interface for DNP3 Ethernet with dual port, multisession capability for DNP3 and configuration with VarWare control software
COMMUNICATIONS POWER SUPPLY: 12VDC, 1A (optional 3A)
COMMUNICATION PROTOCOL: DNP3 / IEEE 1815, level 2

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