

# Commercial/Agricultural Load Control Device

250 or 800 AMP M&V Capability Specifications

## Device Features

- » Over four million individual addresses with remote programmability
- » Visual indicators
- » Remote test functions
- » All devices are pre-wired for installation
- » Internal Diagnostics
- » Cold Load Pick-up
- » Receiver Visual Indicators
- » Historical Event Counters
- » Local override and opt-out- Secondary Option

## Power Provider Functionality

- » Control strategies definable for groups, subgroups, or individual devices
- » Devices may be assigned to multiple sets of groups and subgroups
- » On-board intelligence for smooth ramp-in and ramp-out of control across the population of devices
- » Interruptable events with smooth ramp-out across the population of devices
- » Customizable control events from various shed/cycling strategies
- » Control events may be targeted



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### COMMUNICATION OPTIONS

Type: Cellular LTE

### MEASUREMENT AND VERIFICATION

#### 2-Wire or 3-Wire Single-Phase Measurements

RMS Voltage: Range: 216 - 528 VAC RMS

RMS Current: Range: 0 - 800 A RMSS

Frequency: Range: 47 - 63 Hz

### RELAY

Relay Output: 2 wires 12 gauge via the device's 1/2" flexible conduit fitting or 3/4" MNPT Length and fitting specified at time of order. One (1) Form B Contacts with a rating of 30amps @ 240VAC (Resistive Load) – other relay options available

Wire Insulation: 600V, 105°C (220°F).

Time Out Duration: One of 16 preprogrammed intervals from 6 minutes to 120 minutes

Time Out Tolerance: 10 seconds, 1.5 minutes, 20% user selectable

Test-on Duration Selection: Via codes

### TEST FUNCTIONS

#### Receiver Operation Including

Relay Coil Continuity: LED indication in response to test command signal from a handheld transmitter or load management system transmitter

Propagation Test on LED: LED indication in response to propagation test signal or load management system transmitter

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### LED INDICATIONS

Relay Status:	Relay active
Link Status:	Network connected

### POWER REQUIREMENTS

Power Input:	230/480VAC $\pm$ 10%; 60 Hz
Input Power Connection: (2 Black) wires	18 gauge via the device's fitting conduit
Wire Insulation:	600V, 105°C (220°F)
Wire:	20 gauge standard UL 1015 Length specified at time of order
Internal DC Power:	+5VDC derived from 240/480 VAC/10 VAC step down transformer
Power Consumption:	10 watts maximum at 240 VAC with full load

### CONTROL DEVICE ENCLOSURE

Type:	High-impact molded Lexan® with neoprene enclosure gasket for raintight operation. Meets NEMA IV requirements with gasket and snap latch construction. Provision for utility meter seal.
Dimensions:	9 ¾" X 7 ¼" X 2 ¾", 6 lbs.
Mounting:	Mount in an upright position direct to air conditioner housing or to conduit box.
Tinted Lid:	For LED observation

### OPERATING ENVIRONMENT

Relative Humidity:	Up to 95% (non-condensing)
Operating Temperature:	-30°C to 70°C
Storage Temperature:	-40°C to 85°C

### MISCELLANEOUS

Surge Withstand Capability:	Meets and exceeds ANSI C37.90a, 1974 requirements
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All devices are 100% Factory Tested and Inspected in accordance with Factory Acceptance Testing Procedures mutually determined with each utility.

Specifications subject to change

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### INSTALLATION OPTIONS



3/4" NPT Fitting



90° Elbow



1/2" Flexible Seal Tight Fitting



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