

Single and Multi-Relay Load Control Switches with Optional Measurement and Verification

Available in single and multi-relay versions for control of:

- » Electric water heaters
- » Air conditioners
- » Class 2 control circuits up to 3 amps / 24 VAC
- » Other loads up to 30 amps / 240 VAC (resistive load)

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 for each or all group, subgroup, or individual devices



SINGLE AND MULTI-RELAY LOAD CONTROL SWITCHES WITH OPTIONAL MEASUREMENT AND VERIFICATION

Circuitry:	Microprocessor-controlled
Non-Volatile Memory:	512K EEPROM

COMMUNICATION OPTIONS

Type:	Itron GenX Mesh Network Cellular LTE
Other Communication Paths Available:	ZigBee Cisco 900 MHz Mesh Networks

DIRECT LOAD CONTROLLER MEASUREMENTS

2-Wire or 3-Wire Single-Phase Measurements	
RMS Voltage:	Range: 192 - 288 VAC RMS
RMS Current:	Range: 0 - 30 A RMS
Frequency:	Range: 47 - 63 Hz

RELAY

Low Power Relay Output: 2 wires	18 gauge via the device's 1/2" flexible conduit fitting or 3/4" MNPT. One form B contacts with a rating 24VAC @ 3 amps. Length specified at time of order.
High Power 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 30 amps @ 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, +20%/-0%, ±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

SINGLE AND MULTI-RELAY LOAD CONTROL SWITCHES WITH OPTIONAL MEASUREMENT AND VERIFICATION

LED INDICATIONS

Relay Status:	Relay active
Link Status:	Network connected

POWER REQUIREMENTS

Power Input:	207 -253 Volts AC; 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 VAC/10 VAC step down transformer
Power Consumption:	8.5 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:	6 3/8 " X 8 3/8" X 2 7/8" – 1 .2 lbs.
Mounting:	Mount in an upright position direct to air conditioner housing or to conduit box. Hangers are a part of the casing, required area is 8" X 8 3/8 " X 8 1/2".
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
-----------------------------	---

All devices are 100% Factory Tested and Inspected in accordance with Factory Acceptance Testing Procedures mutually determined with each utility.

Specifications subject to change

® Lexan is a registered trademark of General Electric Company

SINGLE AND MULTI-RELAY LOAD CONTROL SWITCHES WITH OPTIONAL MEASUREMENT AND VERIFICATION

INSTALLATION OPTIONS



3/4" NPT Fitting



90° Elbow



1/2" Flexible Seal Tight Fitting

Join us in creating a more **resourceful world**.
To learn more visit itron.com

While Itron strives to make the content of its marketing materials as timely and accurate as possible, Itron makes no claims, promises, or guarantees about the accuracy, completeness, or adequacy of, and expressly disclaims liability for errors and omissions in, such materials. No warranty of any kind, implied, expressed, or statutory, including but not limited to the warranties of non-infringement of third party rights, title, merchantability, and fitness for a particular purpose, is given with respect to the content of these marketing materials. © Copyright 2021 Itron. All rights reserved. **101854SP-01 06/21**

CORPORATE HQ

2111 North Molter Road
Liberty Lake, WA 99019 USA

Phone: 1.800.635.5461

Fax: 1.509.891.3355