

# 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-optional

## 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



Circuitry: Microprocessor-controlled

Non-Volatile Memory: 512K EEPROM

**COMMUNICATION OPTIONS**

Type: Itron GenX Mesh Network  
Cellular LTE

Other Communication Paths Available: ZigBee

**RELAYS**

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

## 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:	120 VAC versions = 103.5 - 126.5 VAC @ 50/60 Hz 240 VAC versions = 207 - 253 VAC @ 50/60 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
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
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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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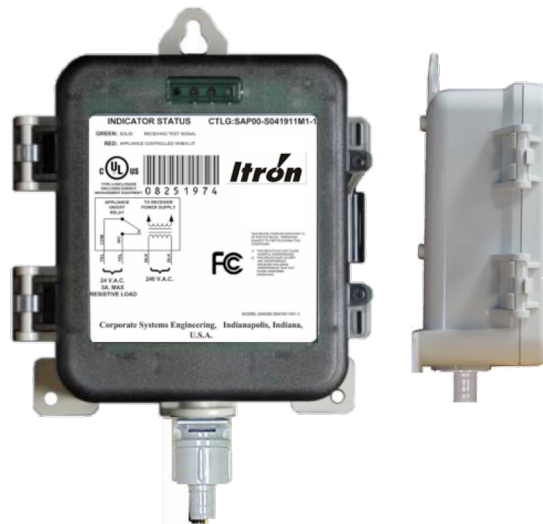
### Installation Options



3/4" NPT Fitting



90° Elbow



1/2" Flexible Seal Tight Fitting

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