



# Installation Guide/Owner's Manual Low Voltage Push Button Switch

Technical Support: 313-259-6400, Press 5

|      |                                               |   |
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## INSTALLATION GUIDE/OWNER'S MANUAL

### 1.0 OWNER/USER RESPONSIBILITY

It is the responsibility of the contractor, installer, buyer, owner and user to install, maintain, and operate this controller in accordance with all applicable laws, regulations and local electrical safety authority requirements.

This product is only to be installed by a qualified electrician.

#### IMPORTANT!

Thoroughly read the entire instructions guide and warnings before beginning installation. The instructions provided are intended to assist in the installation and service of the corresponding product. Failure to follow the instructions may result in product malfunction, damage, injury or death. Contact your Kirlin service representative for replacement parts and procedures.

### 2.0 SAFETY & IMPORTANT INFORMATION



Risk of fire or electric shock. Ensure all power is disconnected during installation process. Refer to wiring diagrams to prevent damages and malfunctions.



This controller may only be connected and installed by a qualified electrician. This controller requires knowledge of controllers and electrical systems. If not qualified, do not attempt installation or maintenance. All applicable regulations, legislation, and building codes must be observed.



Connecting fixtures with power **ON** will “hot plug” the LEDs and cause damage.



To prevent wiring damage or abrasion, do not expose wiring to edges metal or other sharp objects.

### 3.0 STANDARDS & COMPLIANCE

|                                     |                |
|-------------------------------------|----------------|
| UL Listed                           | UL XX          |
| Restriction of hazardous substances | RoHS Compliant |

### 4.0 ELECTRICAL REQUIREMENTS

|                                |            |
|--------------------------------|------------|
| Nominal input voltage range AC | XXX – XXXV |
| Input frequency range          | XX – XXHz  |
| Maximum wattage                | XXXW       |

## **5.0 BEFORE YOU BEGIN**

### **Before You Begin**

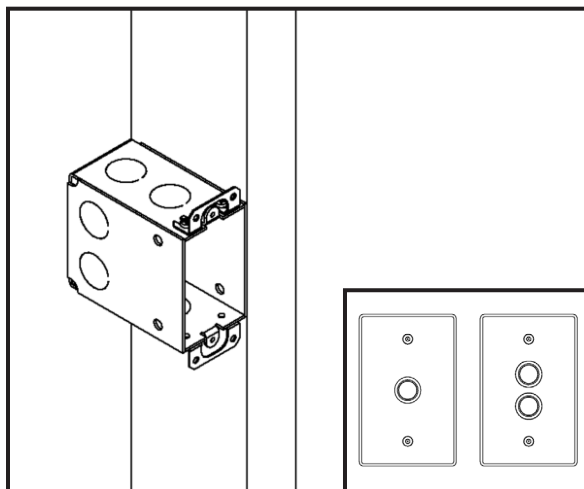
- Shut **OFF** power at fuse box or circuit breaker before installation, inspection or removal.
- To reduce the risk of fire or electric shock, **NEVER** interconnect or short output terminations.

### **Environmental Conditions**

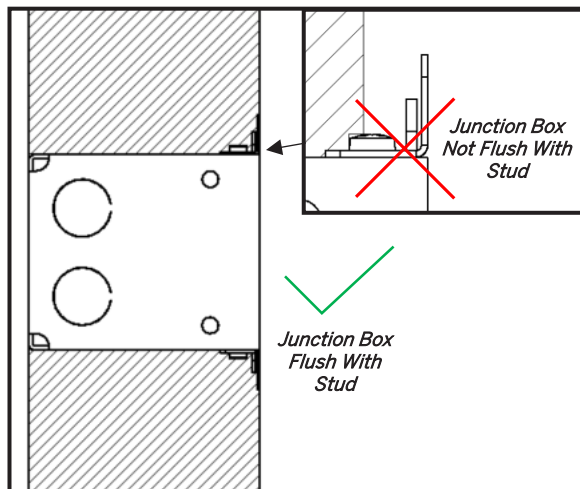
|                                                     |                    |
|-----------------------------------------------------|--------------------|
| Controller operating ambient temperature (Ta) range | -20°C to +70°C     |
| Controller                                          | Damp or dry listed |

## 6.0 JUNCTION BOX INSTALLATION

### One & Two Button Push Switch

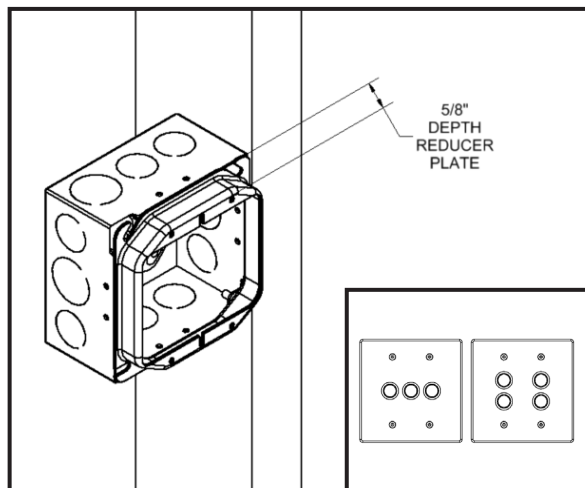


For one and two button push switch wall controllers, install single gang junction box (supplied by others, ex. RACO 590) into stud ensuring junction box sits flush with stud.

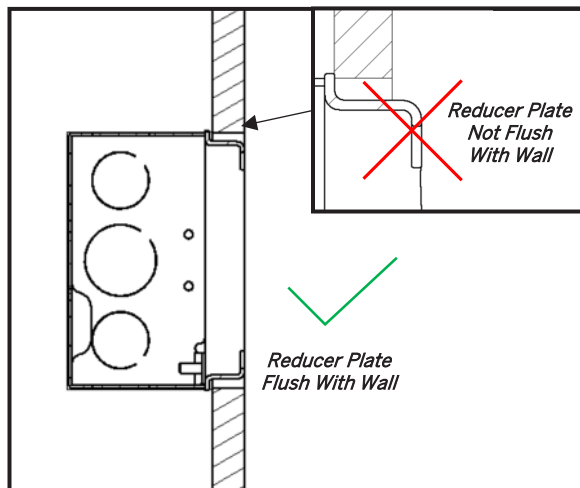


Junction box must sit flush with stud or slightly regressed to ensure proper wall installation.

### Three & Four Button Push Switch



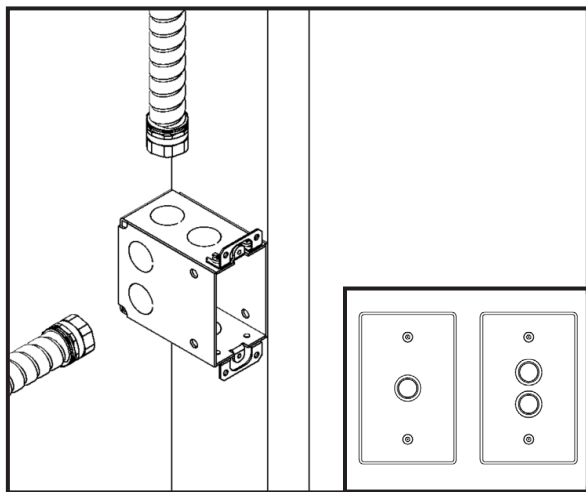
For three and four button toggle push switch wall controllers, install 4S 2-gang junction box (supplied by others, ex. RACO 232) into stud. Install proper reducer plate (supplied by others, ex. RACO 769) based on wall thickness onto junction box.



Reducer plate must be flush or slightly regressed to wall once wall is installed for proper faceplate installation.

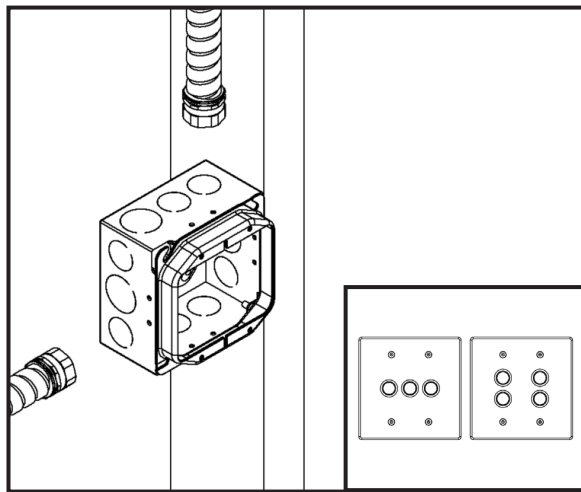
## 7.0 CONDUIT INSTALLATION

### One & Two Button Push Switch



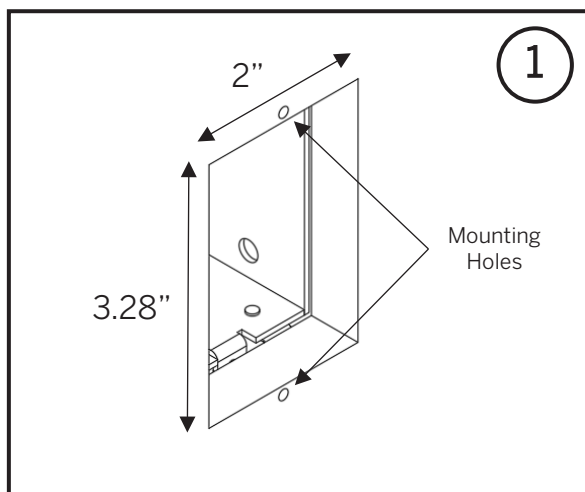
For one and two button push switch, install conduit into single gang junction box (ex. RACO 590)

### Three & Four Button Push Switch



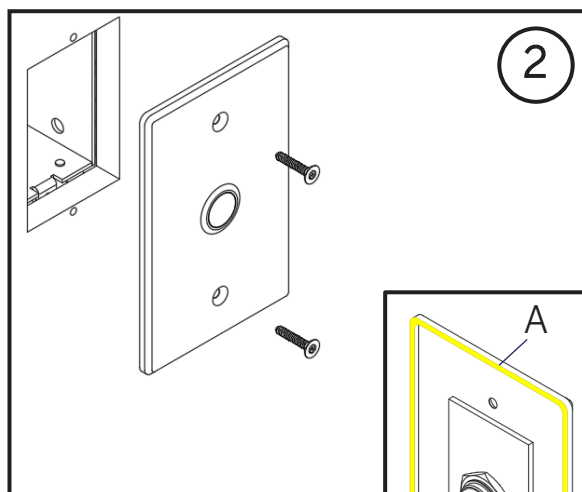
For three and four button push switch, install conduit into 4S 2-gang junction box (ex. RACO 232).

### 8.0 ONE & TWO BUTTON SWITCH INSTALLATION



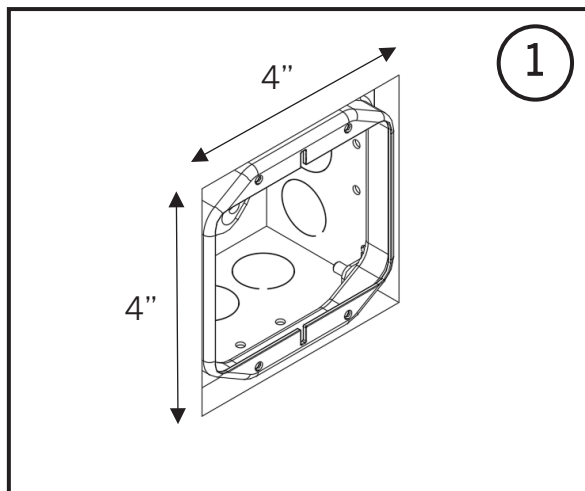
After wiring, install drywall with a 3.28" x 2" cutout for the junction box, using a small awl to clear both mounting holes.

**Note:** Ensure junction box sits flush with stud or slightly regressed to ensure proper wall installation.



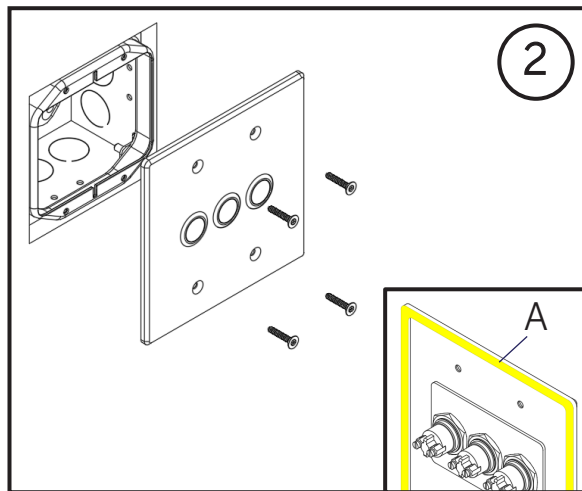
- A. If using anti-pick caulking, apply to the back of the faceplate, as shown (surface A).
- B. Secure faceplate assembly to single gang junction box using the supplied #6-32 tamper-resistant hex-head screws x 2. Ensure the faceplate sits flush against the wall and wipe off any excess caulk.

### 9.0 THREE & FOUR BUTTON SWITCH INSTALLATION



After wiring, install drywall with a 4" x 4" cutout for the junction box.

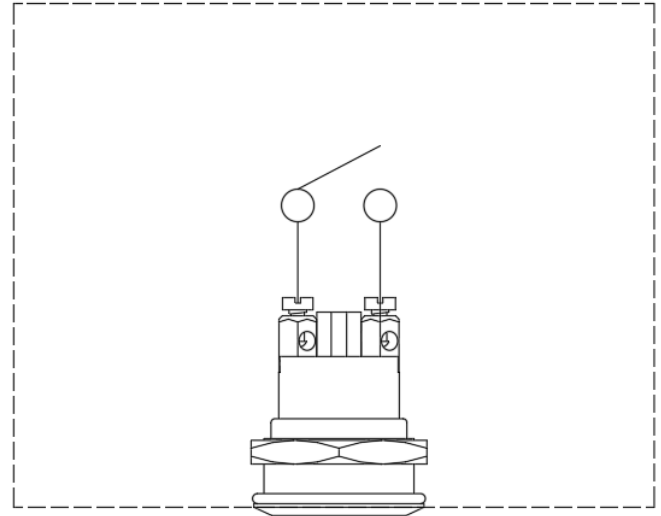
**Note:** Reducer plate must sit flush or slightly regressed into wall for proper faceplate installation.



- A. If using anti-pick caulking, apply to the back of the faceplate, as shown (surface A).
- B. Secure faceplate assembly to reducer plate using the supplied #6-32 tamper-resistant hex-head screws x 4. Ensure the faceplate sits flush against the wall and wipe off any excess caulk.

### 10.0 WIRING/ USAGE DETAILS

1. Momentary push to make (N.O. momentary switch)
2. Max: 50 VAC/DC @ 1 AMP
3. -20 to +70C
4. Sealing IP68 EN 605529:1992 + A2:2013
5. ROHS



## **11.0 USER NOTES**