

The External Control Input (ECI Box) provides a wired connection control method for home/building automations systems. The ECI Box acts as a Secondary to the Main Remote provided with the Solar Smart Motor(s). When pairing information is transferred from the Main Remote to the ECI Box, the ECI Box will only control the units paired into Zone 1 of the ECI Box.

If different rooms/zones within the home/building are to be tied into a home/building automation system, each room/zone shall

need to have a unique Main Remote with all Motors paired into that Remote into Zone 1. Then an ECI Box is required for each room/zone, and the pairing information is transmitted from each Main Remote to the corresponding ECI Box for that room/zone.

The ECI Box requires momentary contact closure of 0.5 seconds to execute an open or close command. Refer to the wiring diagram for further information on the wiring requirements. The ECI Box requires a standard wall outlet to be utilized as well.

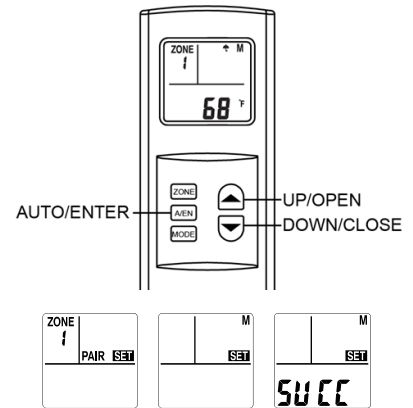
Pairing and ECI Box to a Main Remote

ECI Box Steps:

1. Plug the ECI Box into power. The wire leads to the home/building automation system may be wired as well, but not required for pairing information to be transferred from the Main Remote to the ECI Box.
2. Press the Pairing Button located inside the rear cover of the ECI Box. The red light will blink. You will have approx. 2 minutes to complete the process.

Main Remote Steps

1. Press and hold **MODE**, release when **PAIR SET** is displayed.
2. Press **▲** to display **M** in the upper-right corner as flashing.
3. Press **ENTER** **A/EN** to begin transmitting the settings to the secondary remote.
4. **SUCC** will be displayed on a successful transfer of settings.
 - a. If a FAIL message is displayed instead, be sure that the ECI Box is still configured to be waiting to receive the transmission; the red light should still be blinking.
 - b. Press **ENTER** **A/EN** to retry.



COMMAND EXECUTION

To Open: A momentary contact closure of 0.5 seconds of the OPEN inputs.

To Close: A momentary contact closure of 0.5 seconds of the CLOSE inputs.

To Stop Operation: A momentary contact closure of 0.5 seconds of either the OPEN or CLOSE inputs.

Note: If either the OPEN or CLOSE inputs are closed – no other commands can be received. Momentary relays are required.

Status Feedback (optional): The STATUS output relay provides optional feedback to the automation system. When the operator is open – the STATUS relay is open. When the operator is fully closed – the STATUS relay is closed.

Rated Load: 0.5 A @ 125 VAC, 1 A @ 24 VDC

Minimum load: 1 mA @ 5 VDC

Max operating voltage: 125 VAC, 60 VDC

Max operating current: 1 A

Max switching capacity: 62.5 VA, 30 W

ECI BOX WIRING SCHEMATIC

