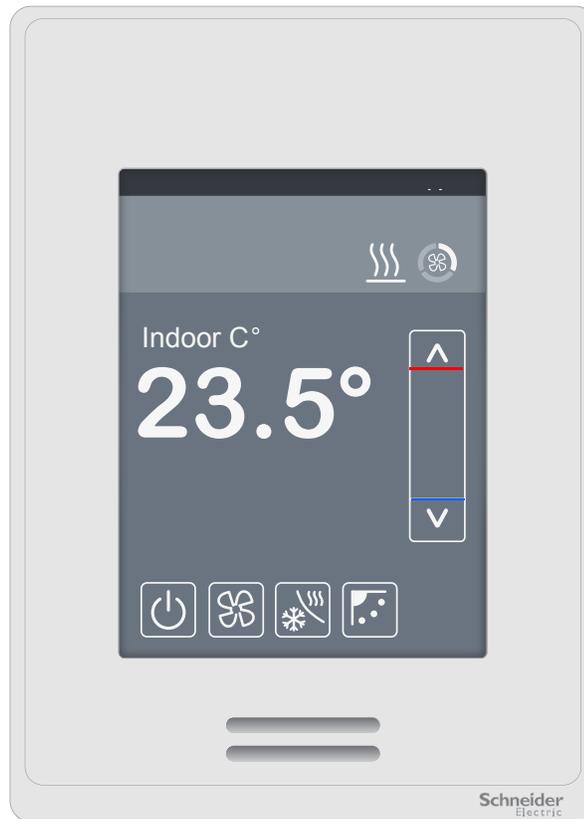


SER8150RxB1194

Remote Controller for Panasonic's VRF with R1R2 Interface
Installation Guide



DISCLAIMERS

- If replacing an existing SER8150Rx B1194 label the wires before removing from wall.
- Electronic controls are static sensitive devices. Discharge yourself correctly before manipulating and installing the Remote Controller. A short circuit or wrong wiring may permanently damage the Remote Controller or equipment.
- All SER8150Rx B1194 series are designed for use as operating controls only and are not safety devices. These instruments have undergone rigorous tests and verification prior to shipping to ensure proper and reliable operation in the field. Whenever a control failure could lead to personal injury and/or loss of property, it becomes the responsibility of the user/installer/electrical system designer to incorporate safety devices such as relays, flow switches, thermal protections, and/or an alarm system to protect the entire system against any catastrophic failures. Tampering with the devices or unintended application of the devices results in a void of warranty.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- These devices are not serviceable and must be returned to the supplier for any repair.
- Only use power source provided from Panasonic indoor unit. This equipment shall be powered by Panasonic equipment only.

LOCATION

- Do not install on outside wall.
- Do not install in areas with direct heat source.
- Do not install in areas exposed to direct sunlight.
- Do not install near any air discharge grill.
- Ensure device has sufficient air circulation.
- Ensure wall surface is flat and clean.

Installation

1. Remove security screw on bottom and open unit by pulling on bottom of device (Figure 1).
2. Pull wires from indoor unit 6in (15cm) out of wall.
3. Align base and mark location of two mounting holes on wall (Figure 2).
4. Install anchors in wall and feed wires through center hole of base.
5. Insert screws in mounting holes on each side of base.
6. Strip each wire 1/4in (0.6cm) from end and insert one wire in **Terminal 5** and one wire in **Terminal 6**.

NOTE: Refer to wiring diagram on next page. Wires have no polarity. Connection to **Terminal 5** and **Terminal 6** can be reversed.

7. If using wireless model, install communication module (ensure correct side is up) (Figure 3).
8. Install new or replacement Fascia if necessary (Figure 4).
9. Push excess wiring back into hole and align cover to top of base and snap in place from bottom (Figure 5). Install security screw.

NOTE: If BACnet MS/TP or Modbus is used, only Terminal 13(+) and Terminal 14(-) shall be connected. **DO NOT** connect terminal 15. Put electrical tape over the cable's shield to avoid shorts behind the Remote Controller's electronic board. If two shielded cables are used, the shields from the cables must be twisted together and electrical tape put over to avoid any shorts.



Figure-1 Open cover

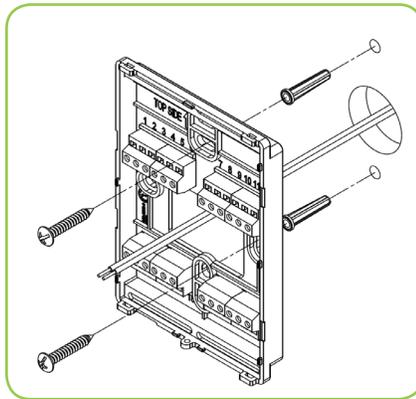


Figure-2 Install base

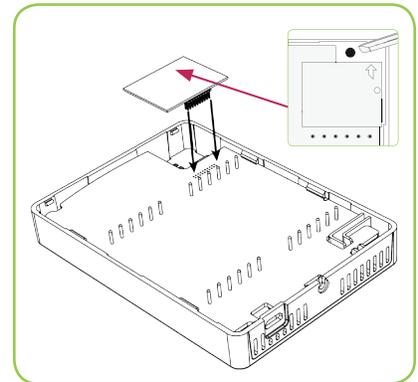


Figure-3 Module

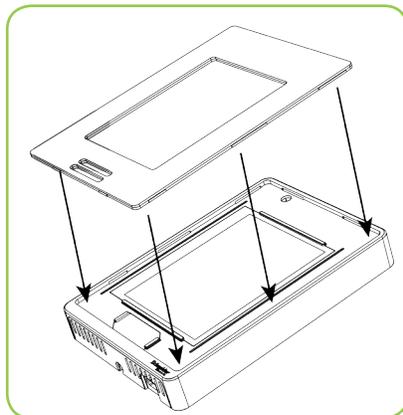


Figure-4 Fascia

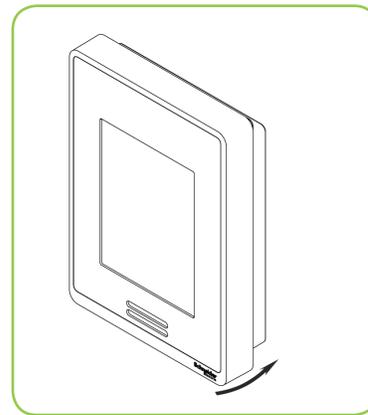


Figure-5 Reinstall cover

Wiring

Wire Remote Controller according to wiring diagram below (Figure 6). Wires have no polarity.

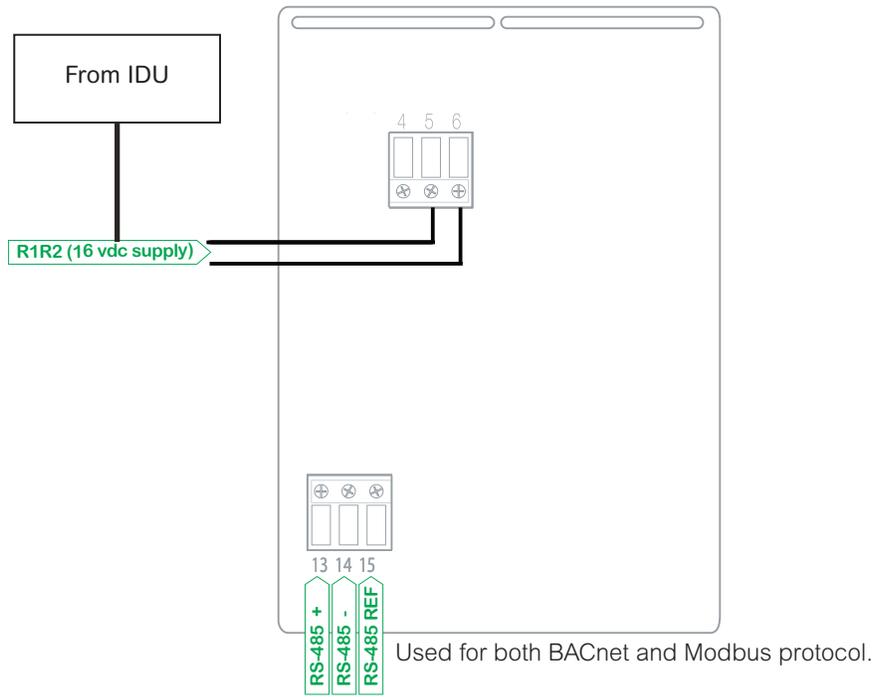
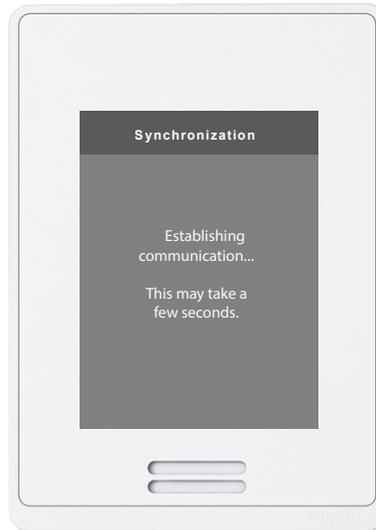


Figure-6 Wiring

Power up Remote Controller

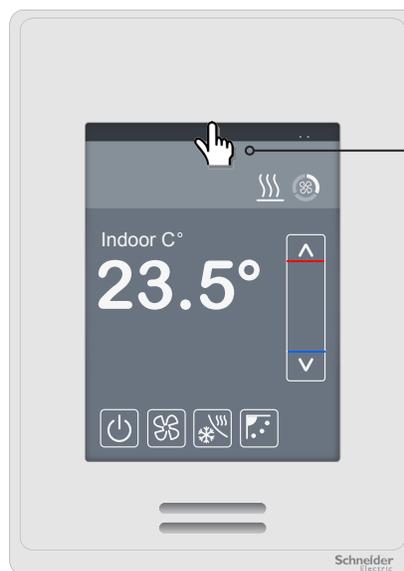
INITIAL POWER UP

When powered up, the Remote Controller establishes communication with Panasonic indoor unit equipment. The synchronization between the Remote Controller and Panasonic equipment normally takes a few seconds.



USER SCREEN

User screen options are dependant on indoor unit type connected to the Remote Controller. Installer or remote Building Management Systems can also set different screen options.



Touch and hold this point for 3 seconds to enter setup mode

Note: hold finger tip close to top edge of screen.

Note: refer to User Interface guide for operation details and parameter settings.