

Installation Instructions

Read and become familiar with these instructions before beginning installation.

SAFETY CONSIDERATIONS

Read these instructions thoroughly and follow all warnings or cautions included in the literature and attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements. Recognize safety information.

This is the safety-alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury. Understand these signal words: DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.



Kit Contents: Confirm the following parts are included

No.	Description	Qty	Remarks
1	Wired controller	1	n/a
2	Installation and Owner's Manual	1	n/a
3	Screws	3	M4X20 (For mounting on the wall)
4	Wall plugs	3	For wall mounting
5	Screws	2	M4X25 (For mounting on switch box)
6	Plastic screw bars	2	For fixing on switch box
7	The connective wires group	1	24AWG

Field Supplied Components: Prepare the following assemblies on site

No.	Description	Qty	Type	Remarks
1	Switch Box	1	n/a	n/a
2	Wiring Tube (insulating sleeve and tightening screw)	1	n/a	n/a

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WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before beginning any modification or installation of this kit, be sure the main electrical disconnect is in the OFF position. Ensure power is disconnected to the fan coil unit. On some systems both the fan coil and the outdoor unit may be on the same disconnect. Tag the disconnect switch with a suitable warning label. There may be more than one disconnect.

CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this warning may result in equipment damage.

Do not install the wired controller in an area subjected to excessive steam, oil or sulfide gas. Doing so may cause the controller to deform and/or fail.

WARNING

INSTALLATION

Entrust the distributor or authorized professionals to install the unit. Installation by unskilled persons may lead to improper installation, electric shock, or fire. Re-installation must be performed by authorized professionals. Non-compliance may lead to electric shock or fire.

INSTALLATION ACCESSORY

Installation precautions for the wired remote controller

- Do not install in a location near heavy oil, vapor or sulfurated gas otherwise, this product will deform which will lead to a system malfunction.
- Do not install the unit in a location near flammable gas leaks. Once flammable gases leak and are left near the wired controller, a fire may occur. Do not operate with wet hands or allow water to enter the wired controller otherwise, an electric shock may occur.
- The wiring should conform to the wired controller current otherwise, electric leakage or heating may occur which may result in fire. The correct cables shall be used in the wiring. No external force may be applied to the terminal otherwise, wire cuts and heating may occur and result in a fire.
- This manual contains the installation method for the wired controller. Refer to the wiring diagram in this manual to connect the wired controller to the indoor unit.
- The wired controller operates in a low voltage loop circuit. Do not connect the 208-230V power directly to the thermostat. **Do not** wire this type of wire in the same loop. The wiring clearance between the configured tubes should maintain a range of 12-20 inches (305-508mm) or more.
- The wired controller shielded wire must be grounded well.
- The wired controller connective cable should not be longer than 66 feet (20 meters).

This manual provides a detailed description of the precautions that should be taken during operation.

To ensure correct service of the wired controller, read this manual carefully before using the unit.

After reading this manual thoroughly, keep it for future reference.

INSTALLATION METHOD

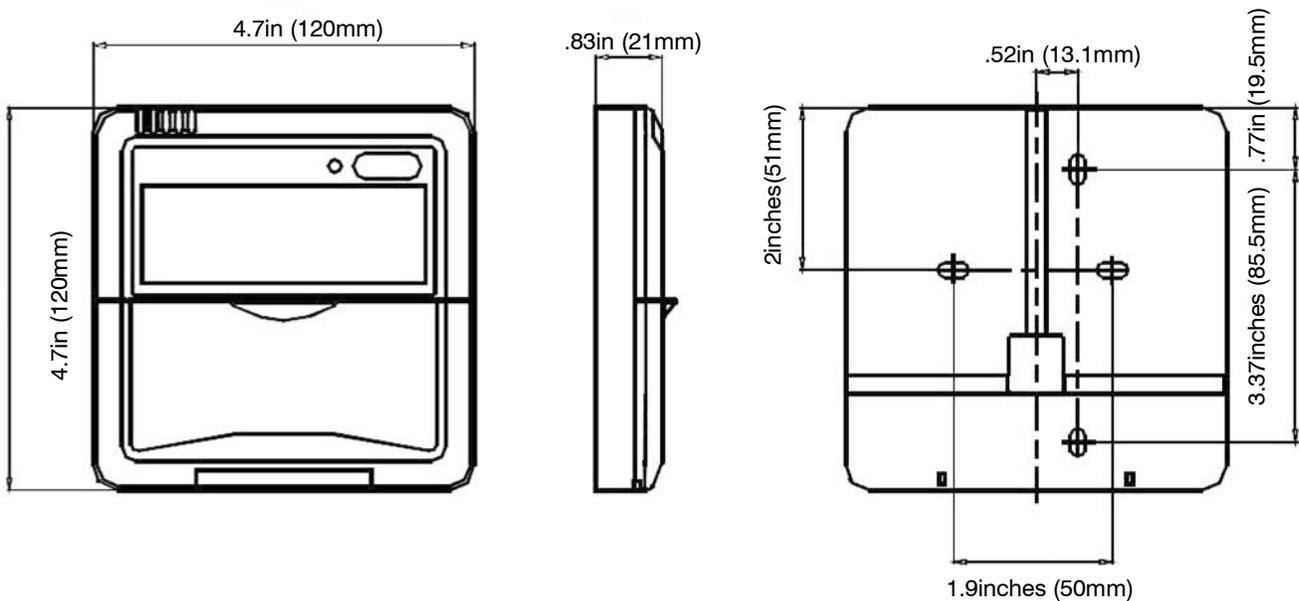


Fig. 1 - Wired remote controller structure size

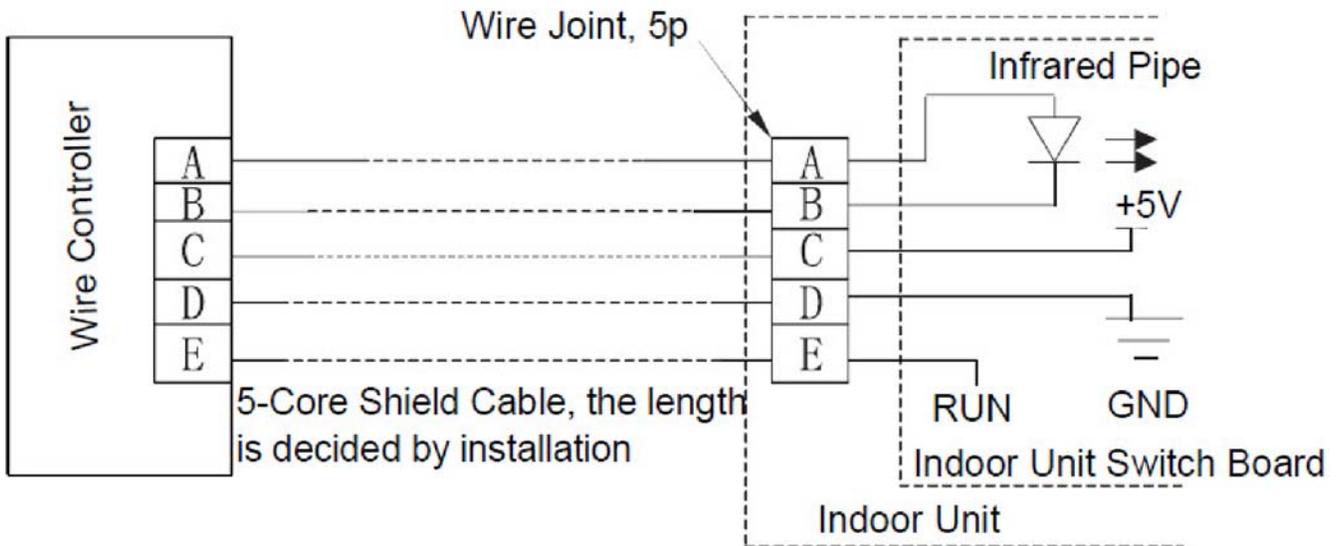


Fig. 2 - Wiring Principle Sketch

3. Wiring figure

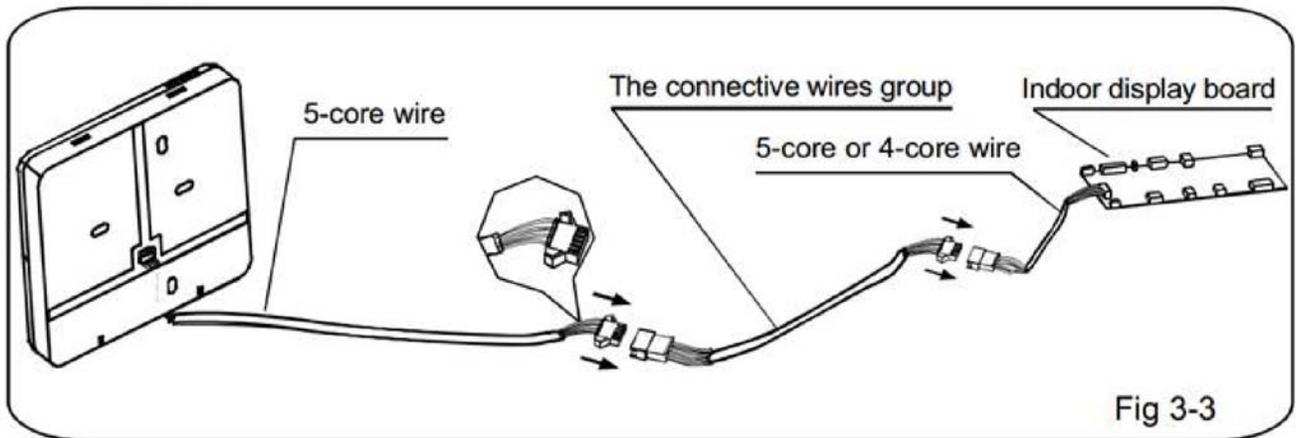


Fig. 3 - Wiring figure

- Connect the female joint of the wires group from the main board to the male joint of the connective wires group.
- Connect the other side of the connective wires group with the male joint of the wires group leads from the wired controller.
- Remove the upper part of the wired controller.

- Insert a slot screwdriver into the slots of the lower part of the wired controller (2 places), and remove the upper part of the wired controller.

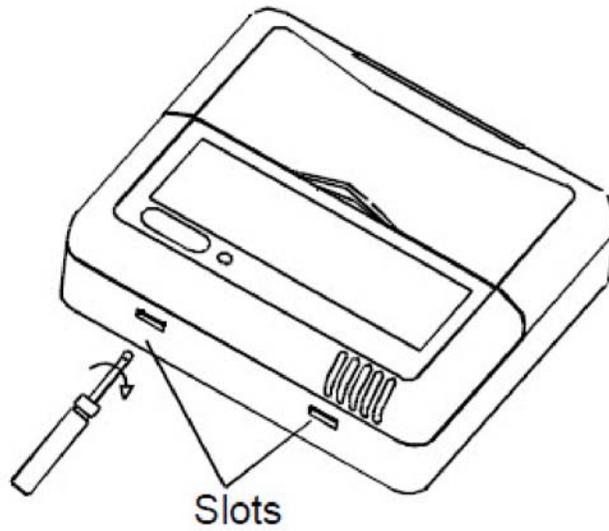


Fig. 4 - wired controller

⚠ WARNING

The PCB is mounted in the upper part of the wired controller. Be careful not to damage the board with the slot screwdriver.

- Fasten the back plate of the wired controller.
- For exposed mounting, fasten the back plate on the wall with the 3 screws (M4x20) and plugs.

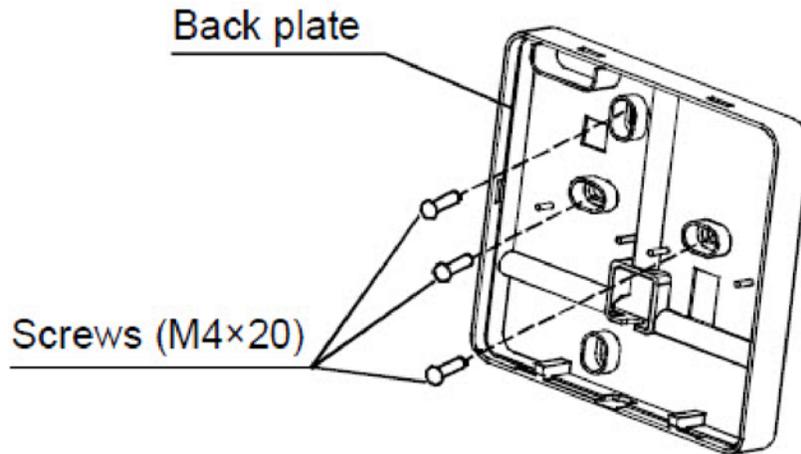


Fig. 5 - Back plate

- For flush-mounting, fasten the back plate of the switch box with 2 screws (M4x25) and then fasten it to the wall with 1 screw (M4x20).

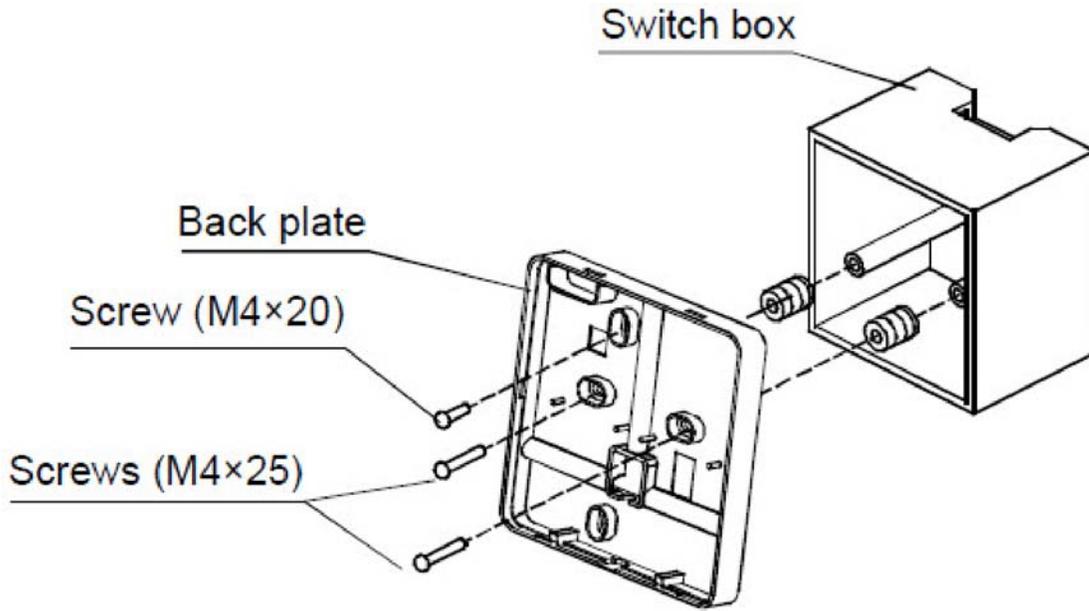


Fig. 6 - Switch box

NOTE: Place on a flat surface. Be careful not to distort the back plate of the wired controller by over tightening the mounting screws.

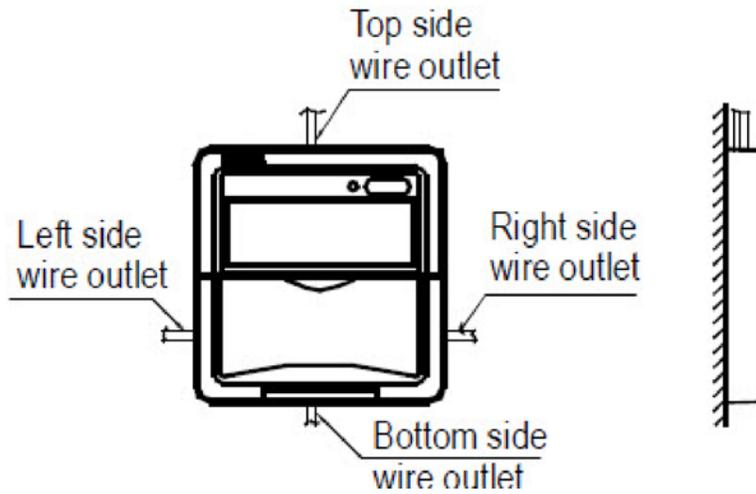


Fig. 7 - Wire outlet

- For exposed mounting there are four outlet positions and three require cutting.

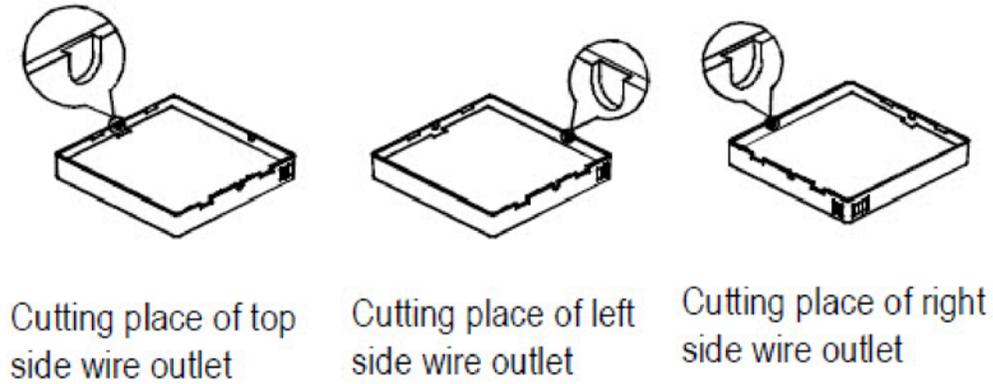


Fig. 8 - Outlet

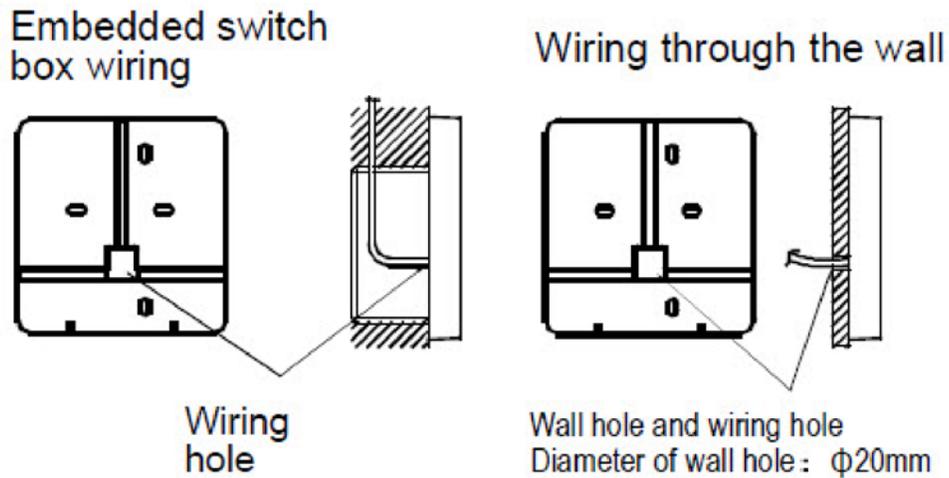


Fig. 9 - Wiring hole

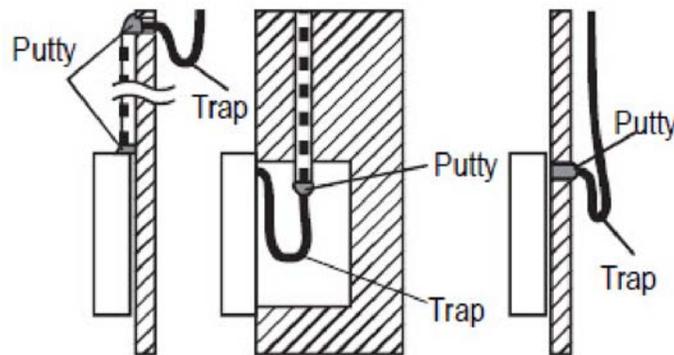


Fig. 10 - trap

⚠ WARNING

To keep water from entering the wired remote controller, use a trap and putty to seal the wire connectors during wiring installation. During installation, reserve a certain length of the connecting wire to make removing the wired remote controller easier during maintenance.

- Reattach the upper part of the wired controller.
- After adjusting the upper case, buckle the upper case. Avoid clamping the wiring during installation.

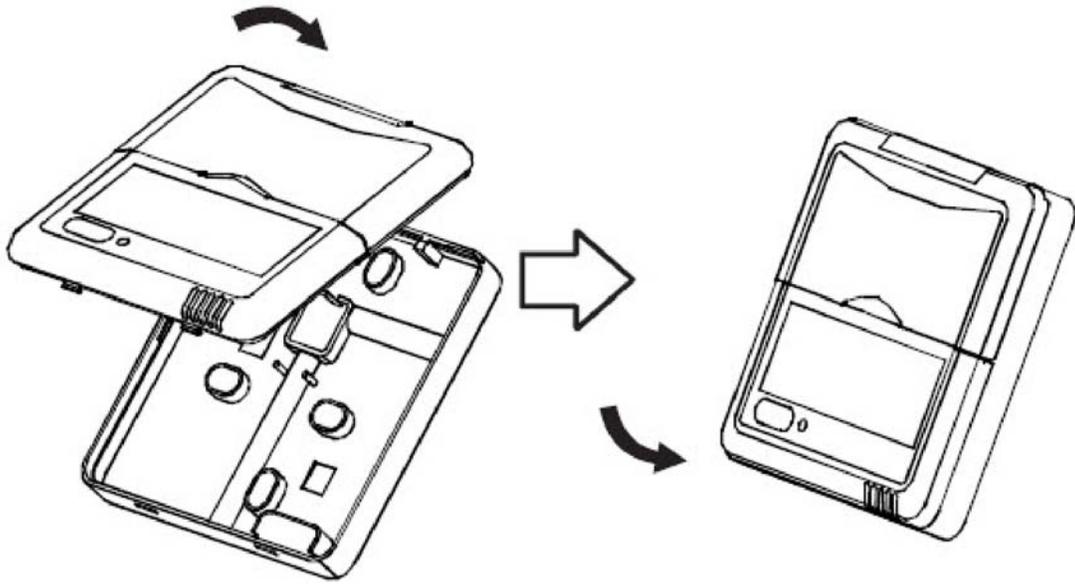


Fig. 11 - Upper case

The pictures in this manual are for illustration purposes only. Your wired controller may differ slightly.