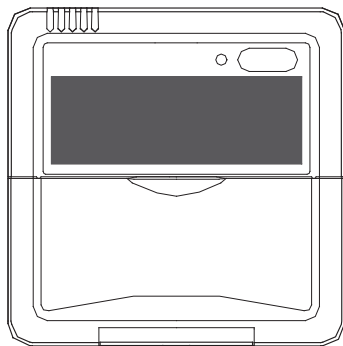WIRED REMOTE CONTROLLER

Installation Manual

MODEL: KJR-12B/DP(T)-F-1
          KJR-12B/DP(T)-E-1A
          KJR-12B/DP(T)-E-2

PIONEER®

IMPORTANT NOTE:

Read this manual carefully before installing or operating your wired remote controller. Make sure to save this manual for future reference.

Table of Contents

Wall-Mounted Remote Control Wiring

⚠ WARNING

- The wiring should adapt to the wire control current. Otherwise, electric leakage or overheating may occur and result in fire.
- The specified cables shall be used in the wiring. No external force may be applied to the terminal. Otherwise, the wire may be damaged and heating may occur and result in fire.

❗ CAUTION

- The shielded wire must be grounded.
- The connecting cable should not be longer than 20m (65.5').
- The remote control operates on a low voltage circuit loops. DO NOT connect a 220V or 380V cable to the circuit loop.
- Make sure that configured tubes are 30-50cm (12-20") or more apart.
- DO NOT employ an ohmmeter to detect the insulation after wiring the remote control.

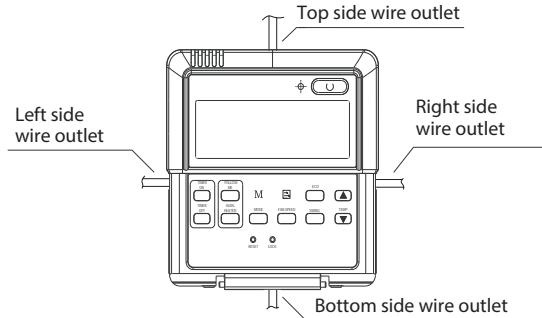An overview of the wall-mounted remote control wire outlet

Top side wire outlet

Left side
wire outlet

Right side
wire outlet

Bottom side wire outlet

Fig. 1

1. Wiring diagram

Refer to the following diagram to wire the wall-mounted remote control to the indoor unit.

Wire Joint, 5p

Infrared Pipe

Wire Controller

A
B
C
D
E

A
B
C
D
E

+5V

5-Core Shield Cable

RUN

GND
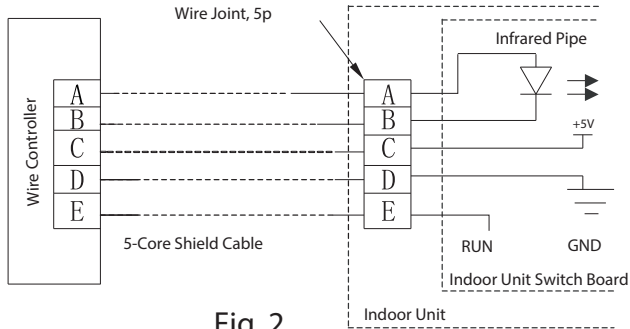
Indoor Unit Switch Board

Indoor Unit

Fig. 2

2. Installation Diagram

Connect the wire from the display panel of the indoor unit to a connecting cable. Then connect the other side of the connecting cable to the remote control.
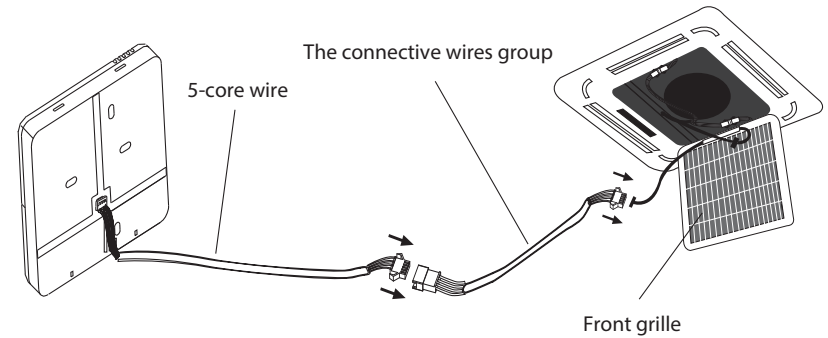
The connective wires group

5-core wire

Front grille

Fig. 3

NOTE: Be sure to reserve a length of the connecting wire for periodic maintenance.

NOTE: DO NOT allow water to enter the remote control.
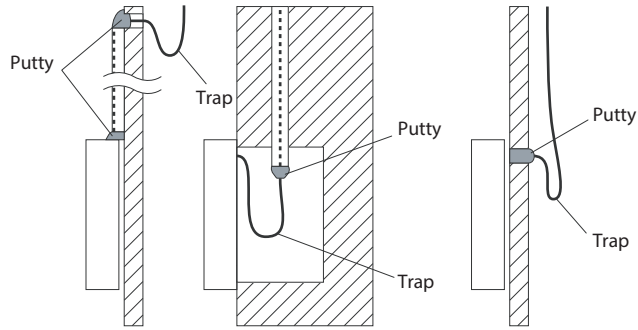   Use the trap and putty to seal the wires.

Putty

Trap

Putty

Putty

Trap

Trap

Fig. 4

a. For exposed mounting, cut holes on three of the
    sides according to Fig. 5.
b. For shielded wiring, please refer to Fig. 6.

Cut three holes for wire outlet

Fig. 5

Embedded switch   box wiring   Wiring through the wall

Wiring hole

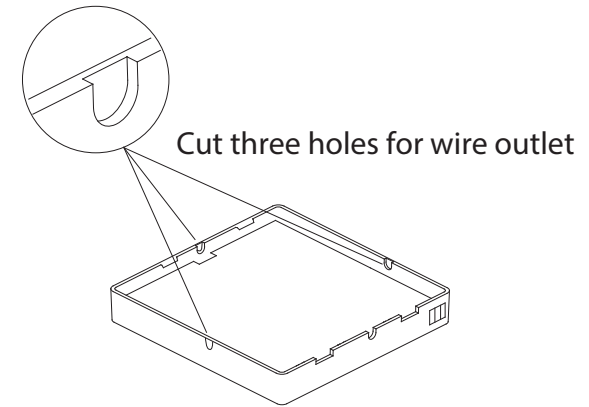Wall hole and wiring hole
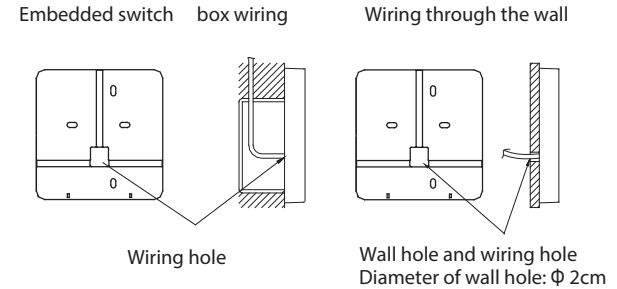Diameter of wall hole: Φ 2cm

Fig. 6

Wall-Mounted Remote Control Installation

⚠ WARNING

<u>DO NOT</u> operate the unit with wet hands, as this could
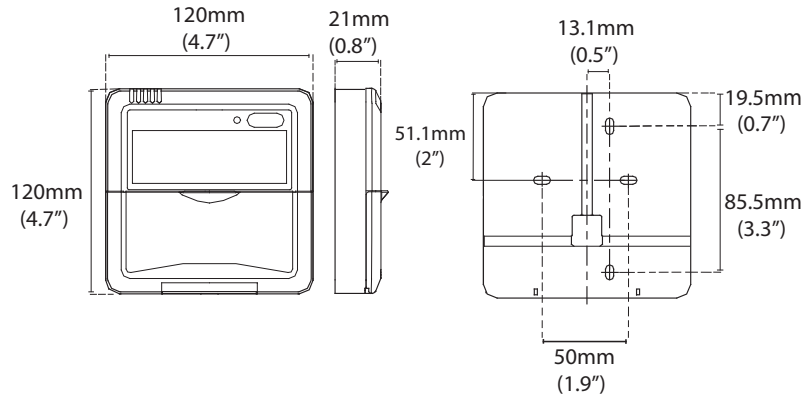lead to electrical shock.

Remote Control Dimensions

120mm (4.7″)   21mm (0.8″)   13.1mm (0.5″)

120mm (4.7″)   51.1mm (2″)   19.5mm (0.7″)

85.5mm (3.3″)

50mm (1.9″)

Fig. 7

Preparation Before Installation

1. Ensure you have the following parts

Table 1

No	Name	Quantity	Remarks
1	Remote Control	1	
2	Screws	3	M4X20 (For mounting on the wall)
3	Anchors	3	For mounting on the wall
4	Screws	2	M4X25 (For mounting on switch box)
5	Plastic screw bars	2	For fixing on switch box
6	The connective wires group	1	Optional

2. Prepare the following tools

Table 2

No	Name	Quantity
1	Switch box	1
2	Wiring tube (insulating sleeve and tightening screw)	1

3. Select installation location

<u>DO NOT </u>install the remote control near flammable liquids
or gases such as gasoline or hydrogen sulfide.Doing so
creates a fire hazard.

Installation Method

1. Remove the top panel of remote control
   Insert a screwdriver into the two slots at the bottom of the remote control to pop off the top panel.
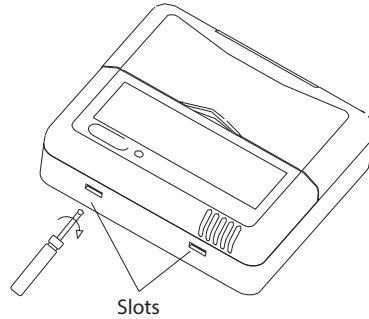

Slots

Fig. 8

NOTE: The Printed Circuit Board (PCB) is mounted in the upper part of the remote control. Be careful not to damage the board with the screwdriver.

2. Mount the back plate of the remote control
   a. For exposed mounting, fasten the back plate to the wall with 3 screws (M4×20) and anchors.
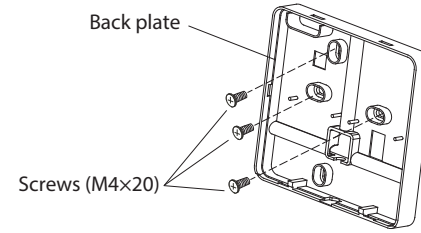
8

Back plate

Screws (M4×20)

Fig. 9

b. For flush mounting, fasten the back plate to the switch box with 2 screws (M4×25), and fasten the switch box to the wall with 1 screw (M4×20).
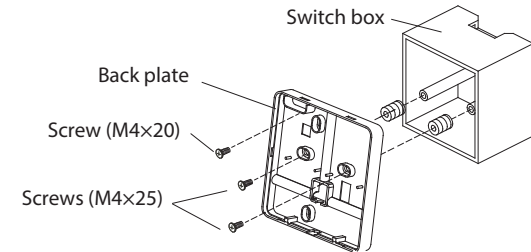

Switch box

Back plate

Screw (M4×20)

Screws (M4×25)

Fig. 10

NOTE: Place the unit on a flat surface. Be careful not to distort the back plate of the remote control by over tightening the screws.

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3. Set the time and date
   The remote control has a small, built-in battery that allows the time and date to be set. That way the remote control can keep time even during a power outage. When the unit displays an incorrect time and date the batteries need to be replaced.

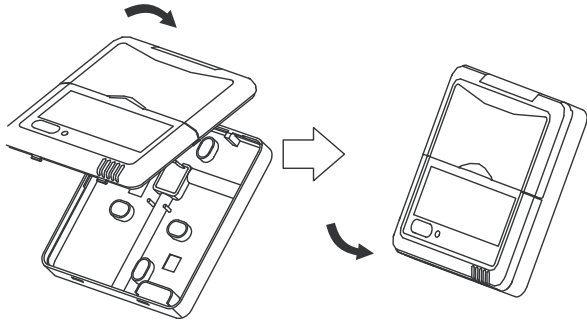4. Reattach the top panel of the remote control

Fig. 11

> ❗ **CAUTION**
>
> <u>DO NOT</u> clamp the wires when reattaching the top panel.

QSXI-007AEN

The design and specifications are subject to change without prior notice for product improvement.Consult with the sales agency or manufacturer for details.

For Further Details, please go to: www.highseer.com

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