

Duct EZY 11 Expansion Kit

for Ducted Split Systems

Installation Instructions

GENERAL

The Duct EZY Expansion Kit is designed to be used in conjunction with the Duct EZY 11 standard packaged kit.

This kit permits a doubling of distance between the Hitachi indoor unit and 2 of 4 supply air diffusers.

Note: These instructions assume you have purchased a Duct EZY system and have read the installation instructions that come with it. Use the instructions as numbered below as replacements for the same numbers on the main Duct EZY 11 Kit installation instruction sheet.

This kit must be installed in accordance with all national and local safety codes.

Components

1. Flexible duct for supply air (250 dia x 3m) (x2).
2. Duct joiner (250 dia.) (x2).
3. Manually adjustable regulating damper (250 dia.).

INSTALLATION

Steps 1 to 7 as per main Duct EZY 11 Kit instructions.

Supply Air Diffusers

8. Mark the position of each supply diffuser, and ensure the distance between the supply plenum spigot and the position intended for the furthest supply diffuser/s is no more than 6 m. Cut out the appropriate holes using the templates provided with the supply air diffusers.
9. Stretch out each flexible supply duct (250 dia.) connected to the supply plenum. For the further distance diffuser/s, fit a duct joiner to the open end of the duct run and tape on. Stretch out the expansion kit duct, tape one end on to the open side of the duct joiner and place the opposing end through the hole cut for the supply diffuser. Ensure the duct is fully stretched and bends are as gentle as possible. Tape duct to supply diffusers.

Note: Tight bends or compressed duct will restrict air flow and reduce performance.

For duct runs NOT being lengthened:

- (a) Cut the lengths of duct not being extended in an appropriate place (recommended closer to the indoor unit than the supply diffuser).
- (b) Close the manual damper to approximately half closed, then push both cut ends of the duct on to the damper fully and tape the duct on.

Outdoor Unit

Steps 1 to 23 as per main Duct EZY 11 Kit instructions.

- 21A Programme the unit to run on high static pressure setting as follows:
- i) With the system powered up but not running, press and hold the menu and return keys on the PC-ARF wall controller for 3 seconds.
 - ii) Arrow down to 'Function Selection' on the menu and press the OK button.
 - iii) Scroll down until 'C5' is reached on the function list.
 - iv) Press the sideways arrow which will change the number next to C5 from '00' to '01'.
 - v) Once '01' is showing press the 'OK' button again.
 - vi) Confirm by pressing 'OK' again.
 - vii) Press the return key to go back to the normal screen display.

Final Set-up

24. Balance the air flow out of the diffusers as necessary by opening or closing the manual dampers on the 3 m duct runs to achieve the correct air flow in each space.

Note:

- (a) Bigger spaces will require more air flow to achieve the same heating or cooling result as smaller spaces.
- (b) If all spaces are the same size, the short duct runs will need the manual dampers partially closed to deliver the same heating / cooling as the spaces being fed with the longer duct runs.

NOTE

The manufacturer reserves the right to change specifications at any time without notice or obligation.