ISD/L-K Series

Split System Indoor Units

GENERAL

This Tandem Kit is designed to facilitate this arrangement by pairing one ISD/L unit c/w SAT-1 Controller (Master unit) and one ISD/L unit without controller (Slave unit).

This kit must be installed by a qualified electrician and in accordance with all national and local safety codes.

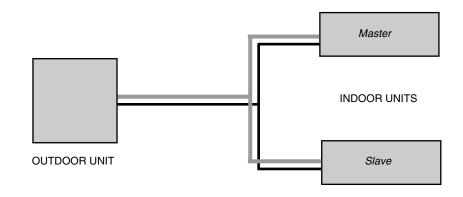
COMBINATIONS

ISDL 55/56K-D + ISDL 55/56K with one OSA 95 ISDL 55/56K-D + ISDL 55/56K with one OSA 110 ISDL 80K-D + ISDL 80K with one OSA 160 ISDL 80K-D + ISD 80K with one OSA 160 ISDL 83K-D + ISDL 83K with one OSA 160 ISDL 83K-D + ISD 83K with one OSA 160

Tandem Refrigeration Piping



ISD 80K-D + ISD 80K with one OSA 160 ISD 80K-D + ISDL 80K with one OSA 160 ISD 83K-D + ISDL 80K with one OSA 160 ISD 83K-D + ISDL 83K with one OSA 160 ISD 95K-D + ISDL 95K with one OSA 200 ISD 95K-D + ISDL 95K with one OSA 200 ISD 96K-D + ISDL 96K with one OSA 200 ISD 96K-D + ISDL 96K with one OSA 200 ISD 110K-D + ISDL 110K with one OSA 230 ISD 110K-D + ISD 110K with one OSA 230



Wiring Loom

Item	Length (mm)	Colour	From	То
1	12500	Green/Yellow	Earth stud (Slave)	Earth stud (Master)
2	12500	Black	terminal N (Slave)	terminal N (Master)
3	12500	Orange	terminal 7 (Slave)	terminal 7 (Master)
4	12500	White	terminal 9 (Slave) *	terminal 9 (Master) *
5	12500	Red	terminal 11 (Slave)	terminal 11 (Master)
6	12500	Brown	terminal 12 (Slave)	terminal 12 (Master)
7	12500	Violet	terminal 18 (Slave)	terminal 18 (Master)

* Terminal 10 for four speed motors

Note

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

This pamphlet replaces the previous issue no. 3226 dated 11/09. ISDL 83/96K & ISD 83/96K added; wiring rev. D.



Installation Instructions

COMPONENTS

- 1. Interconnecting cable 12.5 m
- 2. Wiring schematic label

INSTALLATION

Determine whether the units are supplied with or without electric heat installed.

ISDL units without Electric Heat:

- 1. Remove the electrical panels from the ISDL Indoor Units
- 2. Use the interconnecting cable supplied to complete the wiring as per the Wiring Loom table below and as per wiring diagram overleaf.
- Replace the existing wiring diagram on the ISDL Master Unit with the selfadhesive label supplied.
 Replace electrical box covers.

- ISDL units with Electric Heat: 1. Remove the electrical panels from the ISDL Indoor Units.
- 2. Use the interconnecting cable supplied to complete the wiring as per the Wiring Loom table below and as per wiring diagram overleaf.
- If the Slave unit has electric heat, upgrade the external fuse of the outdoor unit to take account of this. Check the power supply cable to the outdoor unit is sufficiently sized to take the extra electric heat load.

Note: Wiring diagram shows optional electric heat. The interconnecting wire is not supplied. Heater 'ACTIVE' must come from Outdoor Unit's 'L1' terminal.

- 4. Install a two or three pole isolator between the ISDL Master unit and the Outdoor Unit.
- Apply the self-adhesive label wiring diagram supplied to the ISDL Master Unit.
- 6. Replace electrical box covers.

REFRIGERATION PIPING

When connecting two indoor units in tandem to a single circuit outdoor unit ensure the following:

- Maximum line length specified for the outdoor unit must include both tandem legs.
- 2. Tandem legs must be as close as possible to equal, after leaving the common leg.
- Ensure each 'T' joint connection is the same size as the common leg's pipe size, downsizing if necessary from there to each indoor unit's designated pipe size.

