

KSC-VRF SERIES

VRF Smart Converter

Industrial HVAC communication gateway for professional VRF/VRV retrofit projects. It enables communication protocol conversion between outdoor and indoor units from different manufacturers.



POWER SUPPLY
DC 5V

MAX. POWER
2W

DIMENSIONS
116 x 86 x 30 mm

CAPACITY
8/16/32/64 IDU

APPLICATION
Professional HVAC

Product parameters

Function	VRF communication protocol conversion
Available models	KSC-VRF08HS01 / KSC-VRF16HS01 / KSC-VRF32HS01 / KSC-VRF64HS01
Capacity	Up to 8 / 16 / 32 / 64 indoor units according to model
Power supply	DC 5V
Power consumption	Max. 2W
Dimensions	116 x 86 x 30 mm
Operating temperature	-20°C to +65°C
Humidity	≤90% RH
Communication cable	2-core shielded twisted pair cable
Recommended cable section	0.75 mm ² or above
Maximum cable length	Not exceeding 1000 m
Installation	Indoor electrical control cabinet

Model range

KSC-VRF08HS01	Up to 8 IDU
KSC-VRF16HS01	Up to 16 IDU
KSC-VRF32HS01	Up to 32 IDU
KSC-VRF64HS01	Up to 64 IDU

Main compatible brands

Hisense, Daikin, Mitsubishi Electric, Hitachi, Toshiba, Mitsubishi Heavy Industries, Sanyo, Panasonic, LG, Samsung, TCL, Gree, Haier, AUX, Midea, McQuay, York
Final compatibility depends on brand, model, system generation and site configuration. Technical confirmation is required before installation.

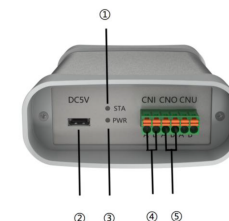
TECHNICAL REFERENCE

Dimensions, terminals and installation notes

Dimensions



Terminals and indicators



Descripción de terminales e indicadores

① **STA:** Indicador de funcionamiento. Parpadea en amarillo cuando las unidades interior y exterior del sistema de aire acondicionado funcionan normalmente.

② **POWER:** Entrada de alimentación de 5 V CC.

③ **PWR:** Indicador de alimentación. Permanece encendido en verde mientras el equipo recibe alimentación.

④ **CNI:** Terminal de conexión de la unidad interior.

⑤ **CNO:** Terminal de conexión de la unidad exterior.

ATENCIÓN: La alimentación debe ser de 5 V CC. El uso de una fuente de alimentación no compatible puede dañar el producto.

Terminal definitions

①	STA	Operating indicator. Flashes when communication between indoor and outdoor units is normal.
②	POWER	DC 5V power input.
③	PWR	Power indicator. Remains on while the device receives power.
④	CNI	Indoor-unit connection terminal.
⑤	CNO	Outdoor-unit connection terminal.

Installation, documents and service

● Professional use	Professional installation and commissioning only.
● Power and wiring	Use DC 5V power only. Disconnect power before installation or wiring.
● Environment	Not waterproof. Use indoor installation or a protected enclosure.
● Documents	For manuals and compliance documents, contact K.S. UNITECHNOLOGY by email.
● Service center	Email the project location to request the responsible service-center contact.

Product documentation is provided according to project requirements. Contact: info@ksunitechnology.com