Panasonic

Building Automation Systems

KNX Daikin Vrv Gateway

- WRKT27005NC

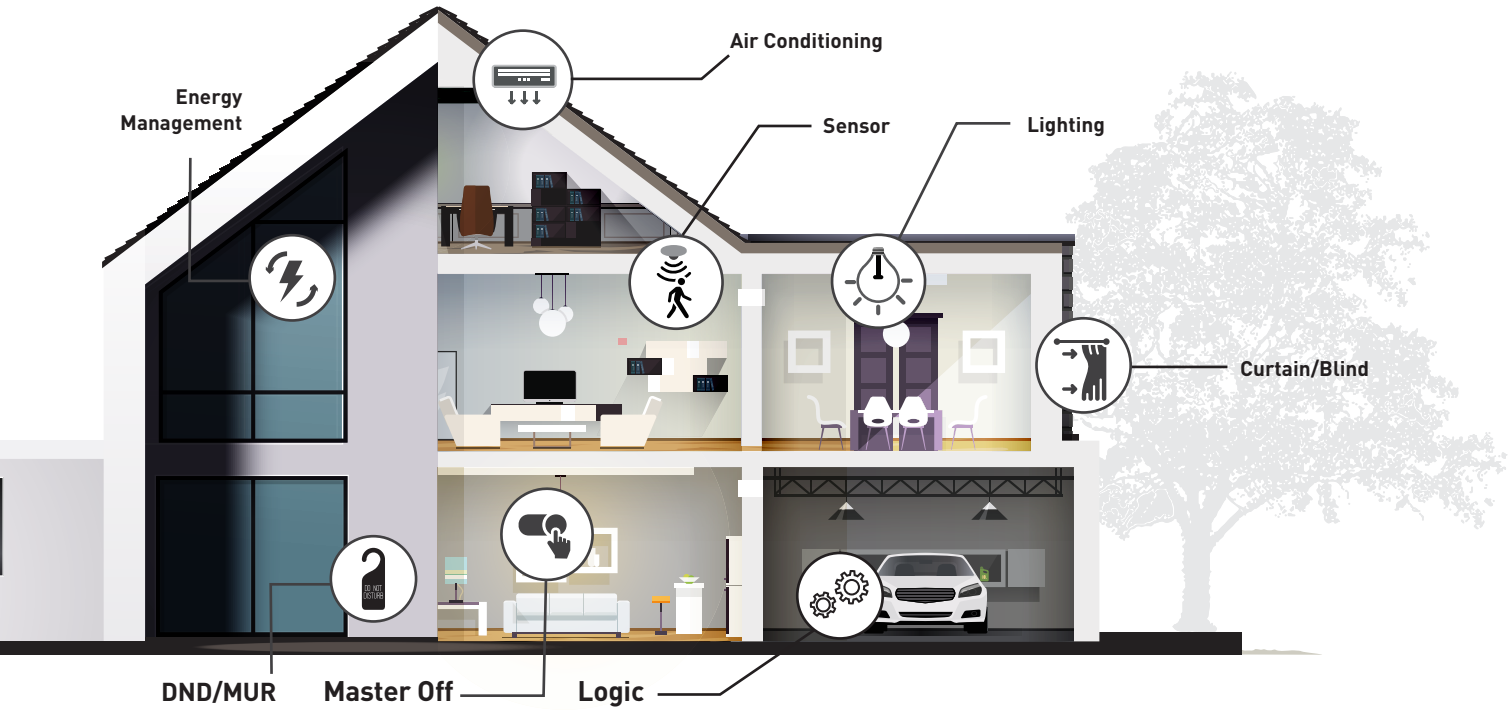


GENERAL INFORMATION

Daikin VRV Gateway is used for monitoring and complete control of Daikin air conditioners from KNX bus. Daikin VRV gateway is compatible with all DAIKIN SKY Air and VRV models. Daikin VRV Gateway provides directional communication between KNX bus and P1/P2 bus. It can be used master controller instead of Daikin remote controller. Thanks to this VRV Gateway Daikin air conditioners can be controlled by central home automation systems.

MAIN FEATURES

• Direct connection to P1/P2 bus, the bus that connects the AC indoor unit and the wired remote controller. P1/P2 bus length can be made up to 500 meters.
• Multiple objects for control and status (bit, byte, characters, etc.) with KNX standard data point types.
• Energy saving functions (Window, Card holder, Presence)
• AC unit can be controlled simultaneously by the remote controller of the AC unit and by KNX.
• Control of the AC unit based in the ambient temperature read by the own AC unit, or in the ambient temperature read by any KNX thermostat.
• Total Control and Monitoring of the AC unit from KNX, including monitoring of AC unit's state of internal variables, running hours counter (for filter maintenance control), error indication and error code.
• Up to 4 scenes can be saved and executed from KNX, the desired combination of Operation Mode, Set Temperature, Fan Speed, Vane Position and Remote Controller Lock can be fixed in any moment by using a simple switching with the KNX bus telegram.
• DIN rail hanger
• Power supply via KNX bus (Works without external power supply)

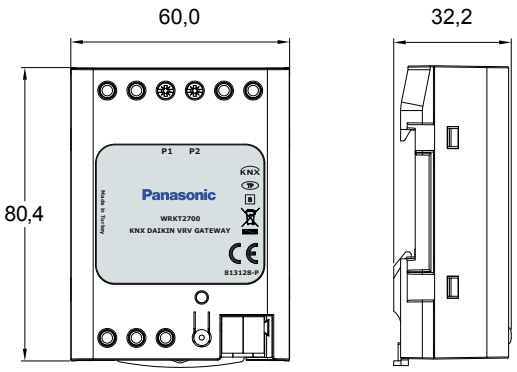


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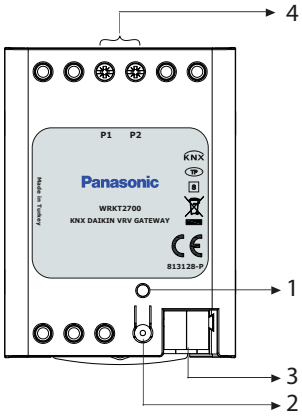
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DIMENSIONS



PRODUCT COMPONENTS



1- KNX Programming LED
2- KNX Programming Button
3- KNX Connector
4- P1 / P2 Terminals

TECHNICAL SPECIFICATIONS

Power	
Operating voltage	DC 21-32 V (from KNX bus)
Current consumption	Max. 10mA from KNX Bus
Buttons / LEDs	
Push Buttons	1 x KNX Programming Button
LED Indicators	1 x KNX Programming LED
Environmental Conditions	
Ambient temperature	-5 °C …+45° C
Storage temperature	-10 °C … +55 °C
Ambient humidity	5…93% (non-condensing)
Housing	
Dimensions (HxWxD)	80.6x60x32.3 (mm)
KNX bus connection	KNX connector (243-211 Wago)
P1/P2 bus connection	2 x Screw Terminals

Electrical Safety	
Protection type (IEC60529)	IP 20
Pollution degree (IEC60664)	2
Protection class (IEC61140)	II
Overvoltage category (IEC60664)	III
Standards	
EMC	EN 63044-5-1, EN 63044-5-2, EN 63044-5-3
LVD	EN 63044-1 EN 63044-3
KNX	EN 50090