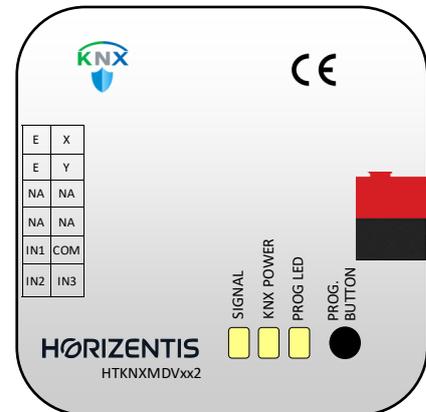


Description

The Midea Commercial & VRF/KNX Gateway provides seamless integration between Midea air-conditioning systems and any KNX-based building management network. It translates KNX telegrams into Midea proprietary commands and vice versa, enabling full control of AC functions - power on/off, mode selection, fan speeds, temperature setpoints, vertical flap positioning, and error monitoring - directly from your KNX bus. In addition, it supports advanced KNX modules such as input, scene, math, and timer, allowing custom logic, scheduling, and multi-scene automation within the same device.

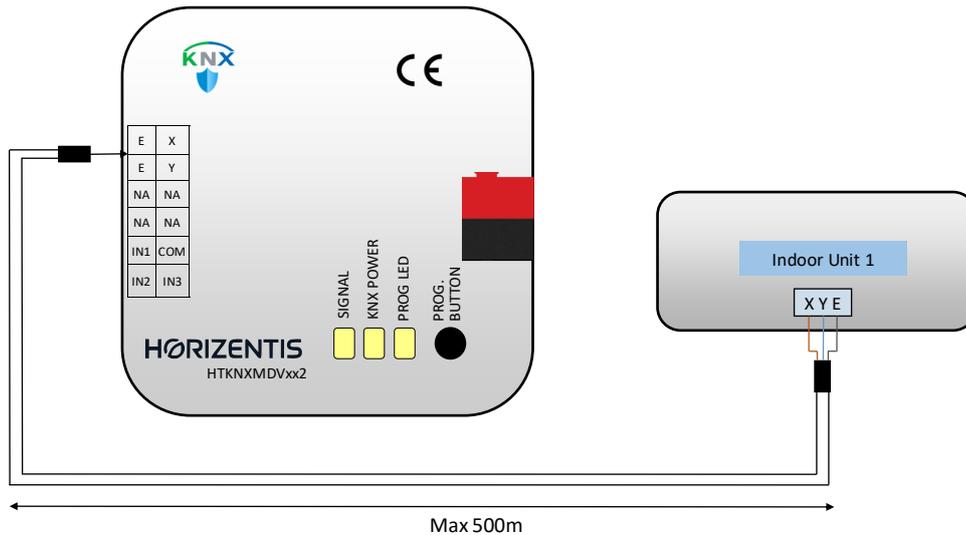


Features

- Knx data secure
- Provides bi-directional communication between Midea HVAC units and the KNX bus
- 3 analog/digital inputs
- 4 scene functions
- 16 math functions
- 4 condition and 4 actions for timer module
- Addressing via serial number without pressing the programming button
- Reading temperature, lux measurement, resistance and digital input

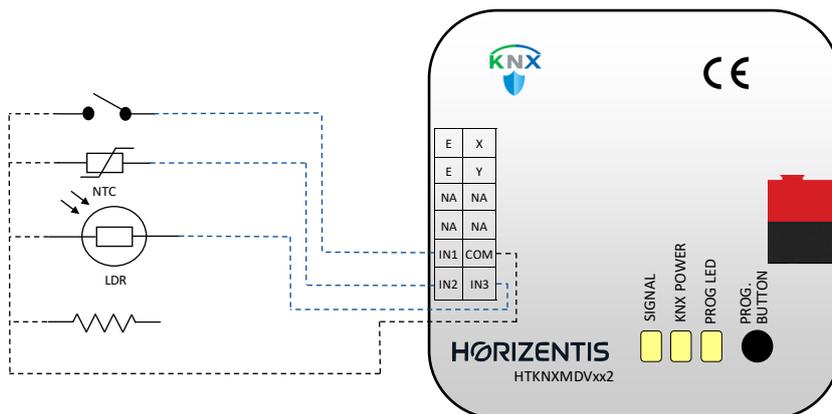
Product Code	HTKNXMDVxx2		
Supply	Voltage	Typical	30 VDC
		Range	21-31 VDC
	Current consumption (30VDC)	Typical	11mA
		Max	40mA
Temperature	Operation	-10 ... 55 °C	
	Storage	-20 ... 70 °C	
Humidity	Operation	5 ... 95%	
	Storage	5 ... 95%	
Dimensions	67 x 67 x 26 mm (W x H x D)		
Weight	71 g		
Protection	IP 20		
Configuration	Via ETS		
Commissioning	S-Mode		

AC Unit Connection



If the gateway is **not** connected at either end of the XYE bus, disconnect the device from power, open the enclosure, and set the internal jumper to the OFF position to disable the 120 Ω termination resistor. Take appropriate ESD precautions when handling the internal electronics. The diagram illustrates a single indoor unit for simplicity. Depending on the gateway model, up to 64 indoor units can be controlled by daisy-chaining them together.

Input Connection



- The cable length must not exceed 50 meters to ensure proper operation .
- To minimize electromagnetic interference, it is recommended to use shielded cables. For maximum signal integrity and overall system performance, the cable shield should be properly grounded at the appropriate point in the system.
- Each input can be connected to a resistor, an NTC or LDR provided by Horizentis, or a dry contact

SAFETY GUIDELINES AND IMPORTANT INFORMATION

- The installation process must be carried out by certified personnel and in full compliance with the applicable national and local regulations.
- Mains voltage or any external voltage source must never be connected directly to any point of the KNX bus. Doing so may cause serious damage to the entire KNX system. Adequate insulation must be ensured between the mains (or auxiliary) voltage and the KNX bus, as well as any connected components or cables.
 - After installation in a distribution board or electrical box, the device must not be directly accessible.
 - The device should be kept dry at all times, including protection from condensation. During operation, it must not be covered with fabric, paper, or any other material.