

Specifications Document for INKNXMIT001I000

Product type: The INKNXMIT001I000 is a KNX gateway compatible with Mitsubishi Electric domestic, Mr. Slim, and City Multi air conditioning systems.

Manufacturer: HMS Industrial Networks SLU.

Product description: Connect this gateway directly to an AC indoor unit to control main functions, such as operating mode, fan speed, temperature setpoint..., and to monitor errors, alarms, and some internal variables. The gateway is very easy to configure using the ETS configuration tool and the ETS Database available to download from the Intesis website.

Installation: Inside the AC unit.

Main features:

- Configuration using the KNX standard configuration tool ETS.
- Reduced dimensions: 59 x 36 x 21 mm.
- Compatible with all KNX thermostats in the market.
- Significant reduction of the HVAC system energy consumption.
- Smooth integration of KNX thermostats allowing the control of the AC unit by the temperature sensor of the thermostat itself.
- Simultaneous control of the AC unit by the IR remote controller and by KNX.
- Total control and monitoring of the AC unit from the BACnet system, including the AC unit's internal variables, running hours counter (for filter maintenance control), and error indication.
- Up to five scenes can be saved and executed from KNX.
- External power not required.
- Three-year warranty.

Equipment and accessories: Intesis gateway, installation sheet, and AC connection cable.

Standards, guidelines, and certificates:

- KNX certificate.
- CE conformity to EMC directive (2014/30/EC) and Low-voltage directive (2014/35/EC).
- EN 61000-6-3, EN 61000-6-2, EN 60950-1, EN 60335-2, EN 60335-1, EN 62233, EN 50491-3, EN 50491-2
- Compliant with RoHS 2 directive (2011/65/EU).

Technical specifications:

Enclosure	Plastic, type ABS (UL 94 HB). 2.5 mm thickness
Dimensions	59 x 36 x 21 mm
Weight	42 g
Color	Light white
Power supply	29 VDC, 7 mA Supplied through the KNX bus
Terminal Wiring (for low-voltage signals)	For terminal: solid wires or stranded wires (twisted or with ferrule) 1 core: 0.5 .. 2.5 mm ² 2 cores: 0.5 .. 1.5 mm ² 3 cores: not permitted
KNX port	1 x KNX TP port opto-isolated. Plug-in terminal block (2 poles). TNV-1
AC unit port	1 x Specific connector Specific cable included
LED indicators	1 x KNX programming
Push buttons	1 x KNX programming
Configuration	Configuration with ETS
Operating temperature	-25°C to 60°C
Storage temperature	-40°C to 85°C
Operational Humidity	<90% RH, non-condensing
Storage Humidity	<90% RH, non-condensing
Isolation voltage	4000 V