

# Intesis IN485DAI001I000 Tender Document

Document version: 1.0.1

**PRODUCT TYPE:** The IN485DAI001I000 is a gateway for integrating Daikin residential indoor units into BACnet MS/TP control systems.

**MANUFACTURER:** HMS Industrial Networks SLU.

**PRODUCT DESCRIPTION:** Connect the gateway directly to a Daikin indoor unit to monitor and control its main functions, as well as to monitor errors, alarms, and runtime counting (for filter maintenance). Configuring the gateway is very easy: just set the DIP switches according to your needs. No configuration software is required.

**INSTALLATION:** DIN rail or wall.

**EQUIPMENT AND ACCESSORIES:** Intesis gateway, installation sheet, and indoor unit connection cable.

**STANDARDS, GUIDELINES, AND CERTIFICATES:**

- BTL certificate.
- UL listed.
- UKPSTI certificate.
- EC conformity to low-voltage directive (2014/35/EU); EN 62368-1:2014/A11:2017
- EC conformity to EMC directive (2014/53/EU); EN 55032:2015 + AC:2016 +A11:2020 + A1:2020, EN 55035:2017 + A11:2020 + AC:2019-11, ETSI EN 301 489-17 V3.2.4, ETSI EN 301 489-1V2.2.3
- Compliant with RoHS 2 directive (2011/65/EU).

**MAIN FEATURES:**

- BTL mark ensures full interoperability with BACnet devices.
- Configuration with built-in DIP switches.
- Quick and easy installation: Set the DIP switches, plug in, and play.
- Built-in 120 Ω termination resistor. Bus termination and polarization configurable via DIP switches.
- External power supply not required.
- Indoor unit simultaneous control options: locally via the remote controller, and remotely through BACnet MS/TP.
- Runtime counter for filter maintenance.
- Error monitoring for quick troubleshooting.
- Reduced dimensions (HxWxD): 93 x 53 x 58 mm / 3.7 x 2.1 x 2.3".
- Three-year warranty.

**TECHNICAL SPECIFICATIONS:**

<b>Housing</b>	Plastic, type PC (UL 94 V-0); Color: Light grey. RAL 7035 Net dimensions (DxWxH): 93 x 53 x 58 mm / 3.7 x 2.1 x 2.3" Protection: IP20
<b>Weight</b>	85 g / 3 oz
<b>Terminal wiring</b>	Use solid wires or stranded wires (twisted or with a ferrule). Wire cross-section/gauge per terminal: One core: 0.2 .. 2.5 mm <sup>2</sup> (24 .. 11 AWG) Two cores: 0.2 .. 1.5mm <sup>2</sup> (24 .. 15 AWG) Three cores: Not permitted
<b>Mounting</b>	DIN rail or wall
<b>BACnet MS/TP port</b>	1 x EIA-485 pluggable terminal block (3 poles: B, A, and SG) Use a shielded cable
<b>Indoor unit port</b>	1 x Specific socket
<b>LED indicators</b>	2 x Communication status
<b>DIP switches</b>	SW1: Baud rate configuration SW2: MAC address and temperature unit SW3: Bus polarization and termination resistor configuration
<b>Operational and storage temperature</b>	OP: 0 .. 70°C / 32 .. 158°F; ST: -20 .. 85°C / -4 .. 185°F
<b>Operational and storage humidity</b>	5 .. 95% RH, non-condensing
<b>Isolation between comm. ports</b>	1000 VDC

