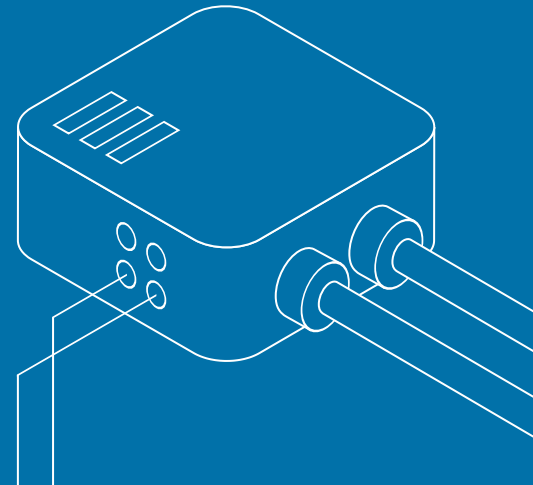


Helping make your heat network smart

Our HIU controller provides heat network operators with the ability to make their HIUs smart. Enabling them to remotely monitor and control the supply of energy to their customers.



Introducing the cThings® HIU Controller

Our HIU Controller enables you to remotely monitor and control intelligent HIUs (Heat Interface Unit). The HIU Controller interfaces with any HIU and allows for parameters to be remotely read or configured. This way network operators can continuously optimise their heat networks, ensuring reduced running costs whilst improving service quality for customers.

The HIU Controller can also be used to detect and alert maintenance providers to possible faults, allowing for issues to be resolved without the need for site visits or interruption of the supply of heat to customers.

Through our cThings Cloud API, meter reads can be retrieved for billing and the HIU Controller's in-built prepayment functionality can be used to minimise the risk of debt, by the supplier, from anywhere in the world.

FEATURES

- Instantaneous control
- Long-range (deep building penetration)
- End-to-end security
- Read and write to any HIU parameter
- Agnostic to HIU and meter
- Ability to read three M-Bus meters
- Ability to interface via Modbus
- User role configurable access
- Bi-directional communication

BENEFITS

- Remote shutdown of unoccupied residences to reduce avoidable costs
- Pro-actively monitor and undertake remote maintenance
- Improved network efficiency
- Remote meter reading
- Reduced engineers visits
- Real-time fault alerts

HIU Controller Specifications

HIU Controller

PRODUCT CODE

HIU Controller 2001202

COMMUNICATIONS

Protocol LoRaWAN 1.0.3 Compliant

Frequency EU863-870

Transmit Power 14 dBm

LoRaWAN Features Class C, OTAA, ADR

Wired M-Bus Up to three M-Bus slaves

Modbus One Modbus slave

ELECTRICAL

Nominal voltage 110-240 VAC (+/- 10%)

Frequency 50/60 Hz

Max. Power Consumption Less than 2.5 W

Power Consumption Less than 1 W (nominal)

Installation Category CAT3

Relay Output Voltage Volt Free or 240 V

Relay Output Max. Load 5 A

MECHANICAL

Dimensions (W x H x D) 120 x 110 x 40 mm

Protection class IP 40

Terminal connections 3 mm

ENVIRONMENTAL

Operating temperature 0°C to 45°C

Storage temperature 0°C to 45°C

Usage environment Indoors

Relative humidity 20% to 80% RH non-condensing

CERTIFICATIONS

Safety Compliance EN 61010-1

EMC Compliance EN 60730-1, EN 55032 & EN 55014-1 Residential

i IMPORTANT

- For optimal performance of the HIU Controller and connected valves and devices, regular maintenance, servicing and active network management must be undertaken

