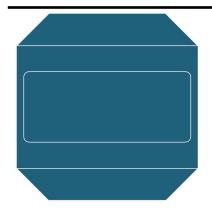


CH-AHUB & CH-EHUB **Product Data Sheet**



Enclosure Flame Retardent ABS Plastic

2.5mm Max

Dimensions (H x W x D) 56 x 147 x 115 mm

Weight 400g

Supply Voltage 24VAC +/- 10%

Consumption 10VA Max

Connection

RTC Backup 48 hrs Max

Communication

Comms Field Level RS485 Hardware

> Topology Daisy Chain

Protocol Modbus RTU Master

Comms Network Level Ethernet 100 Base Ethernet

> Protocol Modbus TCP, BACnet, Lonworks

ClimateHub Yes HUB TCP / HUB API HUB TCP / HUB API LightingHub Yes DeviceHub Yes HUB TCP / HUB API **IAQHub** HUB TCP / HUB API Yes HUB TCP / HUB API EnergyHub Yes

Web Server Yes

Key Features

- Activity definable User Groups for up to 100 users (up to 100 Groups)
- · Site View, Block View, Room View
- Performance Tiles for each thermal zone (FCU / VAV, Free Match) including state, alarms and trends
- · Control Panel for each thermal zone
- QR Code generation of point device labels for on-site QR Code scanning for direct login and navigation to browser display on mobile phone or tablet

Feature Summary

- Dashboards with over 20 gadgets, including containers to embed graphics, trends, schedules and remote HTML content
- · Traditional graphic displays for animated systems or floor plans
- · Internally maintained schedules with sunrise/sunset and staggered starts
- · Trend collection, display and export
- · Runtime accumulation with email notification
- · Alarm condition monitoring with email notification
- · Calculated point values (average, min, max, etc)
- · Drag and drop configuration to reduce setup costs
- Database of up to 100 users and 100 user groups
- · Multiple simultaneous users
- · Activity log for tracking important user actions
- · Template system for quickly cloning points, dashboards, devices or entire networks
- Flexible point addressing system allows access to most proprietary structures, bit fields and objects
- Calculations may be performed on data points when read and/or written (e.g. Deg. F to Deg. C or scaling)
- Support for up to 4,000 tree nodes which can be any combination of points, dashboards, trends, etc.
- · Modular expansion with each module supporting 180 FCU's or Thermal Zones

EnergyHub Advanced Features

- Dynamic-Performance-Band for up to 180 FCU's or Thermal Zones
- · Site-Performance-Band for scaled load management
- · Up to 180 Hierarchical Load Blocks with simple organisational interface
- Solar Inverter and Tariff Count Integration
- Target-Drag setting per load block
- Occupancy based setback targets (temperature and lighting)
- · Advanced scheduling
- Supports Site Wide Cap & Trade
- CT Metering, Calculated Metering, Apportionment