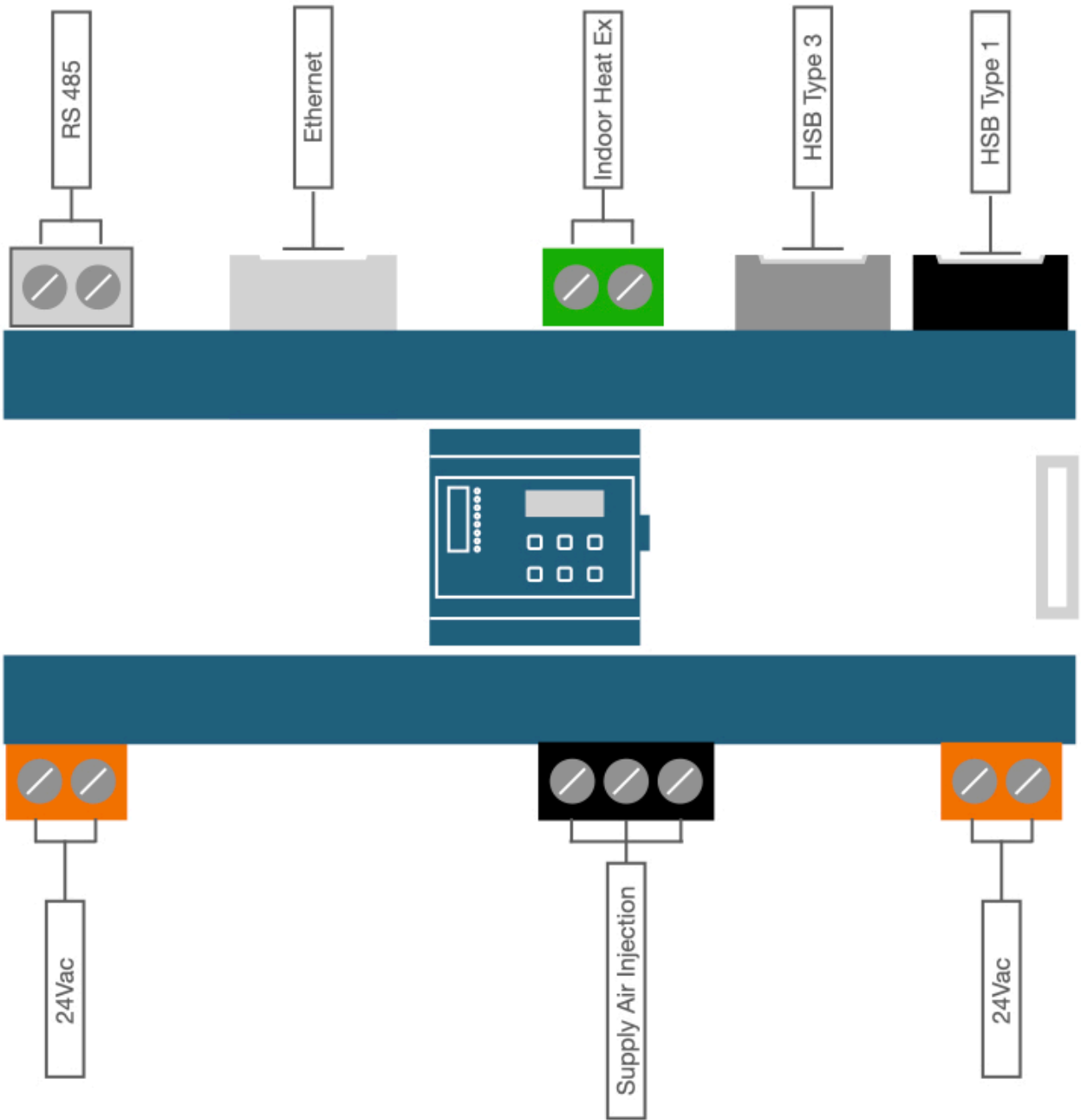


Enclosure	Flame Retardent ABS Plastic
Dimensions (H x W x D)	56 x 147 x 115 mm
Weight	400g
Supply Voltage	24VAC +/- 10%
Consumption	10VA Max
Connection	2.5mm Max
RTC Backup	48 hrs Max

Features

Inputs	Temperature Inputs	Indoor Heat Exchanger
	Type	NTC 47kΩ.@25°C
Outputs	Digital	Supply Air Injection
Comms Smart Sensors	Capacitive Touch BUS	HSB-1
Comms High Powered	Surface 7 BUS	HSB-3
Comms Expansion I/O	DB9	HSB-2
Comms Field Level	Hardware	RS485
	Topology	Daisy Chain
	Protocol	Modbus RTU Master
Comms Network Level	Ethernet	100 Base Ethernet
	Protocol	Modbus TCP, JSON RPC, ASCII
Network Device Discovery	Protocol	UDP
Service SSID	WiFi	BCM43438 wireless LAN
Web Server	Yes	
Cloud Cover	Yes	

Connections



Functional Scope

Group	Description	Group	Parameters
TZLP	VAV Control Loop	Control Loops	TZLP1 ~ TZLP12
UP	Thermal Zone Names	EE Block	
TZSP	Thermal Zone Setpoint	Array 1	TZSP3 ~ TZSP14
CUkW	Outdoor unit Capacity	Array 1	CUkW15
TZLS	Thermal Zone V-Max	Array 1	TZLS16 ~ TZLS27
TZIO	Thermal Zone On/Off	Array 1	TZIO29 ~ TZIO30
VPOS	VAV Manual Position	Array 1	VPOS31 ~ VPOS42
CUSM	Outdoor Unit System Mode	Array 1	CUSM44
TZLS	Energy Management Active	Array 1	TZLS45 ~ TZLS46
TZRA	Thermal Zone Return Air Temperature	Array 1	TZRA48 ~ TZRA59
TZES	Thermal Zone Energy Management Setpoint	Array 1	TZES60 ~ TZES72
TZRT	Thermal Zone Allow Network Control Temperature	Array 1	TZRT74 ~ TZRT75
TZCT	Thermal Zone Control Temperature	Array 1	TZCT91 ~ TZCT102
TZVS	Thermal Zone Present / Active / State	Display	TZVS78 ~ TZVS89
OAET	Supply Air Temperature	Display	OAET90
AL		Alarms	AL120 ~ AL126
CUPRO	System Weekly Time Schedules	Time Schedule	CUPRO0~CUPRO7
TZPRO	Thermal Zone Weekly Time Schedules	Time Schedule	TZPRO8 ~ TZPRO103
AHPRO	After Hours Out-Of-Hours schedule	Time Schedule	AHPRO200 ~ AHPRO213
RTC	Real Time Clock with 48hr power back up	Display	
Co	Modbus RTU, BACnet, Ethernet, WiFi	Plugins	CO 00~ CO 15
LG	Live Graphing	Plugins	All FCU Conditions