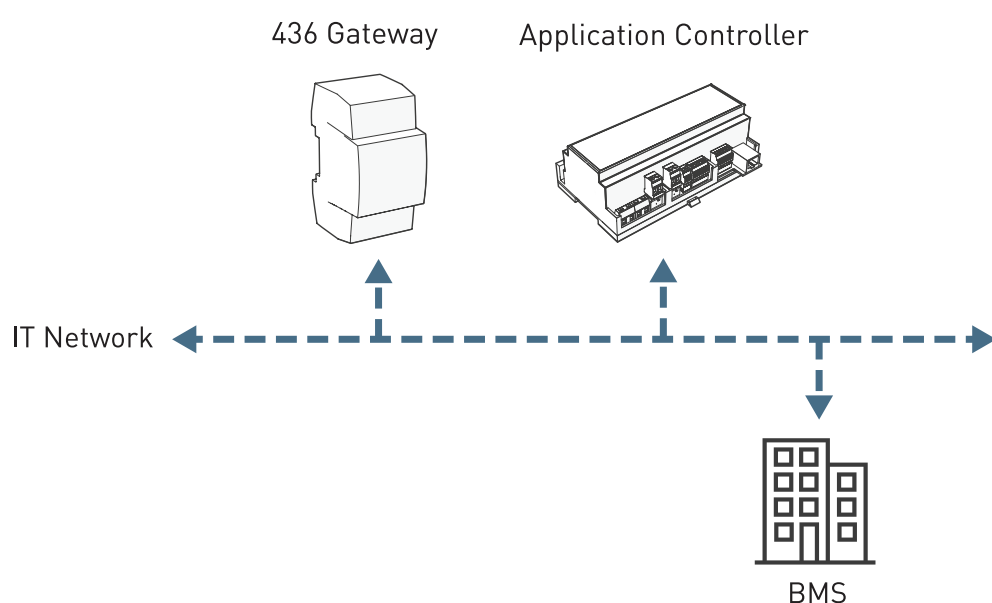


436 Gateway + PSU Kit

The 436 Gateway provides a simple interface to a Helvar router system and allows lighting system data to appear in a Building energy Management System.

The product allows a BMS to control and monitor the lighting system as well as obtain device status and group power consumption information. BMS clients can easily connect with the gateway via a TCP/IP network.



Key Features

- Supported protocols and modes: BACnet server, Modbus Slave
- Helvar workgroup discovery tool
- Helvar router selector
- Automatic Helvar point identification
- Browser programming interface

Device Limits

- Single workgroup
- 20 routers
- 300 groups
- 2000 Export points

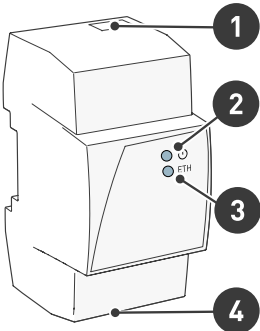
Note: Certain project installations may require reduced limits if higher data frequency is required. See 436 User Guide for more information on this topic.

Available Export Points from Helvar System

See User Guide for more details.

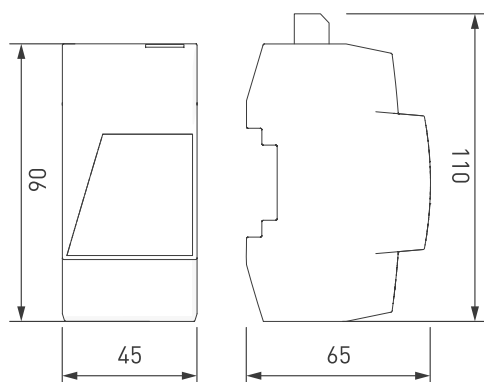
Type	Category	Parameter Name	Type	Category	Parameter Name
BACnet: AI Analogue Input Modbus: Analogue Read Only	Group	Active Power Consumption (DALI-2 Part 252 or Helvar Calculated)	BACnet: AV Analogue Value Modbus Analogue Read & Write	Group	Scene
		Set Point (for selected regions only and only for BACnet)		Device	Intensity
		Temperature (for selected regions only and only for BACnet)			Colour Temperature
	Device	Sensor Light Level			Colour Coordinates
		Active Power Consumption (DALI-2 Part 252 or Helvar Calculated)		Emergency	N/A
		Control Gear Operating Time (DALI-2 Part 253)	BACnet: BI Binary Input Modbus: Binary Read Only	Group	N/A
		Light Sourcing Operating time (DALI-2 Part 253)		Device	Router Missing
	Emergency (Device)	Emergency Function Test State			Device Missing
		Emergency Duration Test State			Lamp Failure
		Emergency Battery Charge			Sensor PIR State
		Emergency Lamp Time		Emergency (Device)	Emergency Battery Failure
		Emergency Total Lamp Time	BACnet: BO Binary Output Modbus: Binary Write Only	Group	Temporary Max Level Enable
		Emergency Battery Endurance			Temporary Min Level Enable
		Emergency Test Duration		Device	N/A
BACnet: AO Analogue Output Modbus: Analogue Write Only	Group	Intensity		Emergency (Group and Device)	Emergency Function Test
		Colour Temperature			Emergency Duration Test
		Colour Coordinates			Stop Emergency Tests
		Direct Proportion			Reset Emergency Battery and Lamp Time
		Modify Proportion			
		Store as Scene			
	Device	Store as Scene			
	Emergency	N/A			

Connections



1. 2 Pin terminal port (24 VDC required)
2. Power LED
3. LAN Activity LED
4. Ethernet Port

Dimensions (mm)



Technical Data

Connections

Connection type:	1 × RJ45 10/100 Mb/s for TCP/IP
Default IP address:	10.254.0.100
Default subnet mask:	255.0.0.0

Electrical data

Power input:	24 VDC
Power consumption:	300 mA @ 24 VDC

Operating and storage conditions

Ambient temperature:	0 °C to +40 °C
Relative humidity:	Max. 90 %, noncondensing
Storage temperature:	-20 °C to +80 °C

Mechanical data

Dimensions	90 × 45 × 60 mm
(with power terminal):	(110 × 45 × 60 mm)
Weight:	120 g
Mounting:	DIN rail
IP code:	IP20

Conformity and standards

Conformity:	CE UK CA
EMC emission:	EN 63044-5-1
EMC immunity:	EN 63044-5-2
Environment:	Complies with WEEE, RoHS and REACH directives.

Compatibility

Helvar router firmware:	v5.8.5.6 and above
Web browsers:	Firefox (recommended), Chrome
Product name:	436 Gateway + PSU Kit
Description	Gateway with 24 VDC 0.63A PSU