*Imagine*

Helvar

freedom in lighting

BACnet Gateway (435)

The 435 BACnet Gateway provides a simple interface to a Helvar router system and allows lighting system data to appear in a BACnet Building energy Management System.

BACnet/IP network

IP network

435 BACnet Gateway

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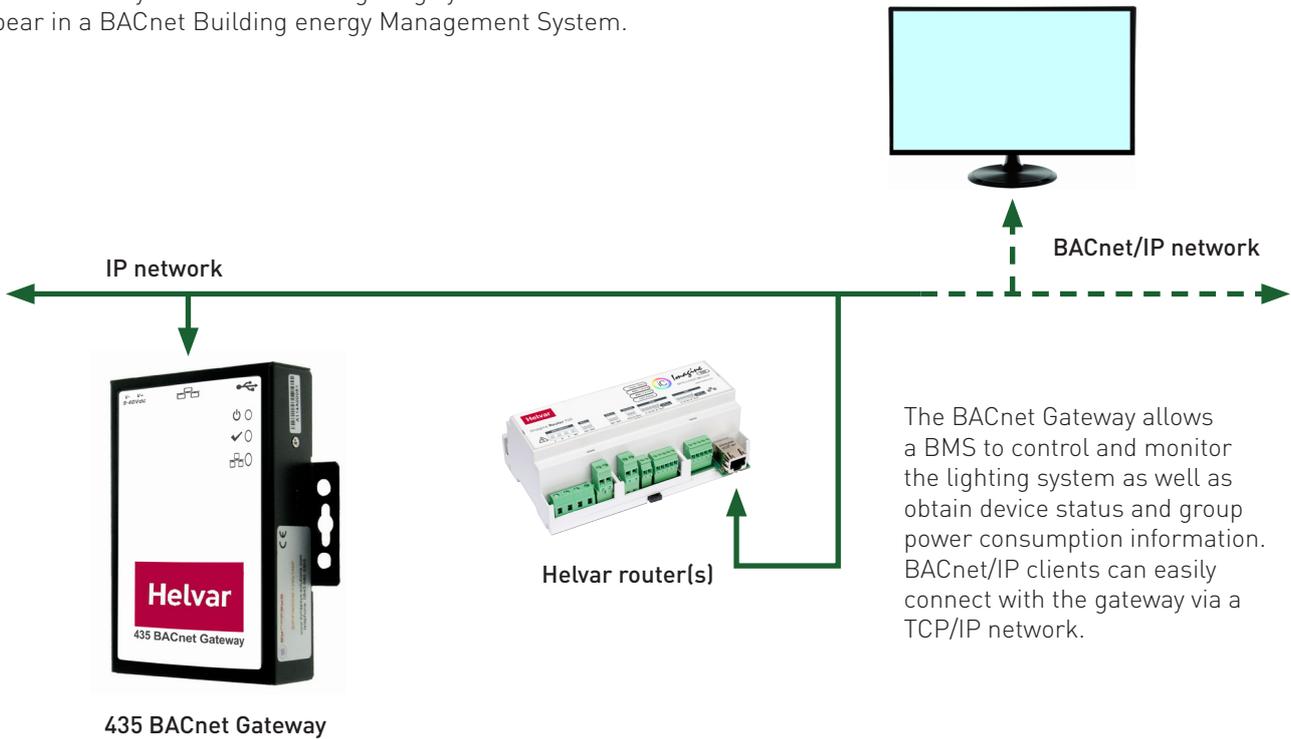
The BACnet Gateway allows a BMS to control and monitor the lighting system as well as obtain device status and group power consumption information. BACnet/IP clients can easily connect with the gateway via a TCP/IP network.

Key Features

- Operates as BACnet server
- Helvar workgroup discovery tool
- Helvar router selector
- Automatic Helvar point identification
- BACnet/IP compatible
- Automatic BACnet instance labelling
- COV (change of value) BACnet feature
- Browser programming interface

Device Limits

- Single workgroup
- 20 routers
- 300 groups
- 2000 BACnet/IP points

Available Router to BACnet/IP Communication

Helvar router	BACnet point instance
Group or DALI device	
Group scene	AV – Analogue value (read and write)
Group consumption	AI – Analogue input (read only)
Group direct level	AO – Analogue output (write only)
Router fail	BI – Binary inputs (read only)
Device missing	BI – Binary inputs (read only)
Lamp fail	BI – Binary inputs (read only)
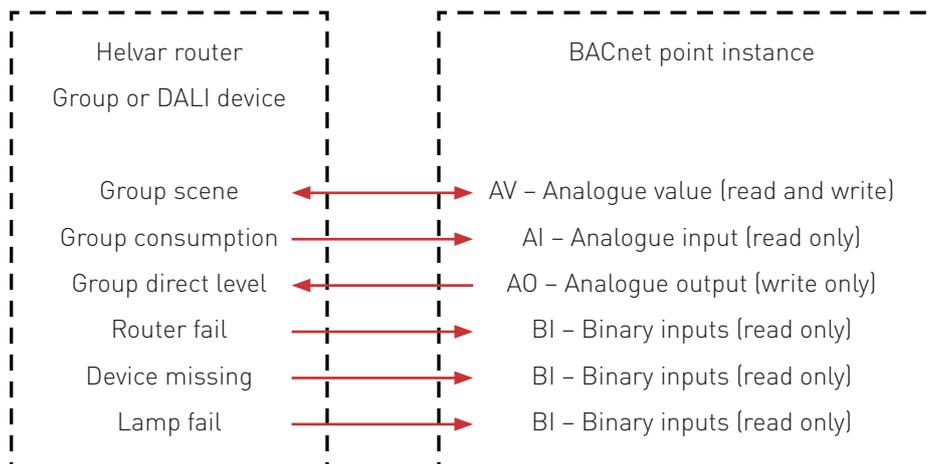
Technical Data

Connections

Connection type:	1 × 10/100 Mb/s for TCP/IP
Default IP address:	10.254.0.100
Default subnet mask:	255.0.0.0
Power input:	9 VDC – 40 VDC
Power consumption:	300 mA @12 VDC
	150 mA @ 24 VDC

Mechanical data

Dimensions:	78 mm × 108 × 32 mm (excl. brackets)
	102 mm × 108 × 32 mm (incl. brackets)
Weight:	330 g per unit (excl. DIN rail clips)
	410 g shipped (incl. DIN rail clips)

Operating and storage conditions

Operating temperature:	0 °C to +70 °C
Storage temperature:	0 °C to +70 °C
Relative humidity:	Max. 90 %, noncondensing

Conformity and standards

EMC emission:	EN 55032 Class A
EMC immunity	EN 55024
Environment:	Complies WEEE and RoHS directives.

Compatibility

Helvar router firmware:	v5.2 and above
Web browsers:	Firefox (recommended), Chrome, Internet Explorer

Dimensions (mm) and connections
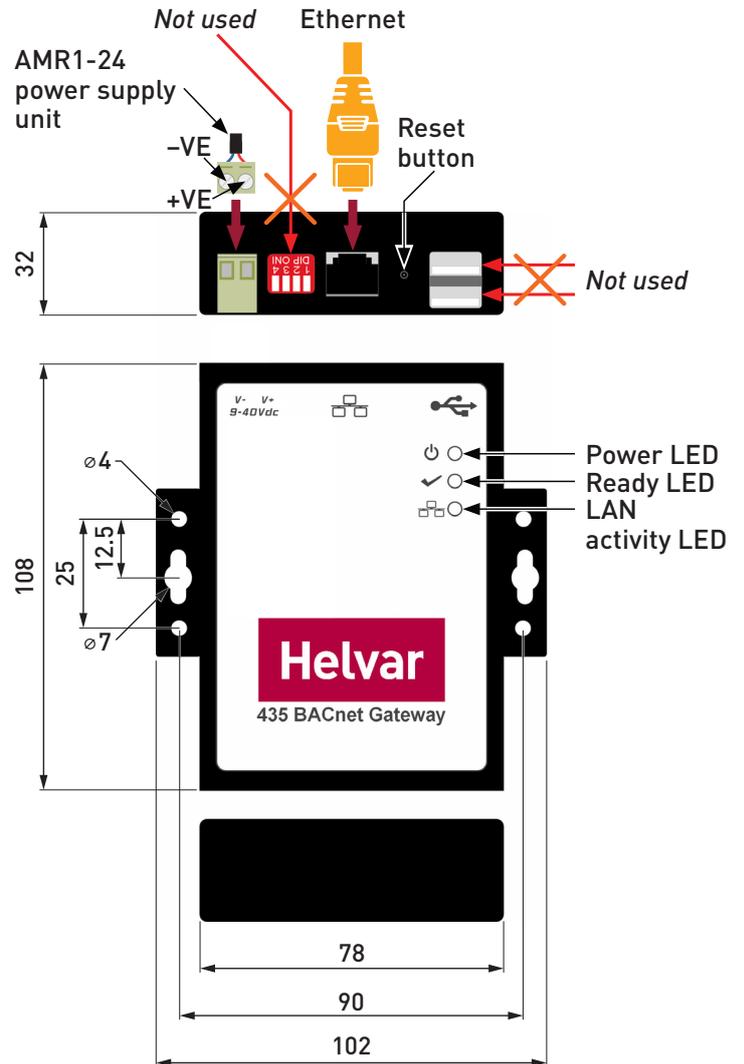
Order codes

- 435: BACnet Gateway
- AMR1-24: 24 VDC 1 A power supply
- 435+AMR1 PSU: Preceding two items sold as a pack