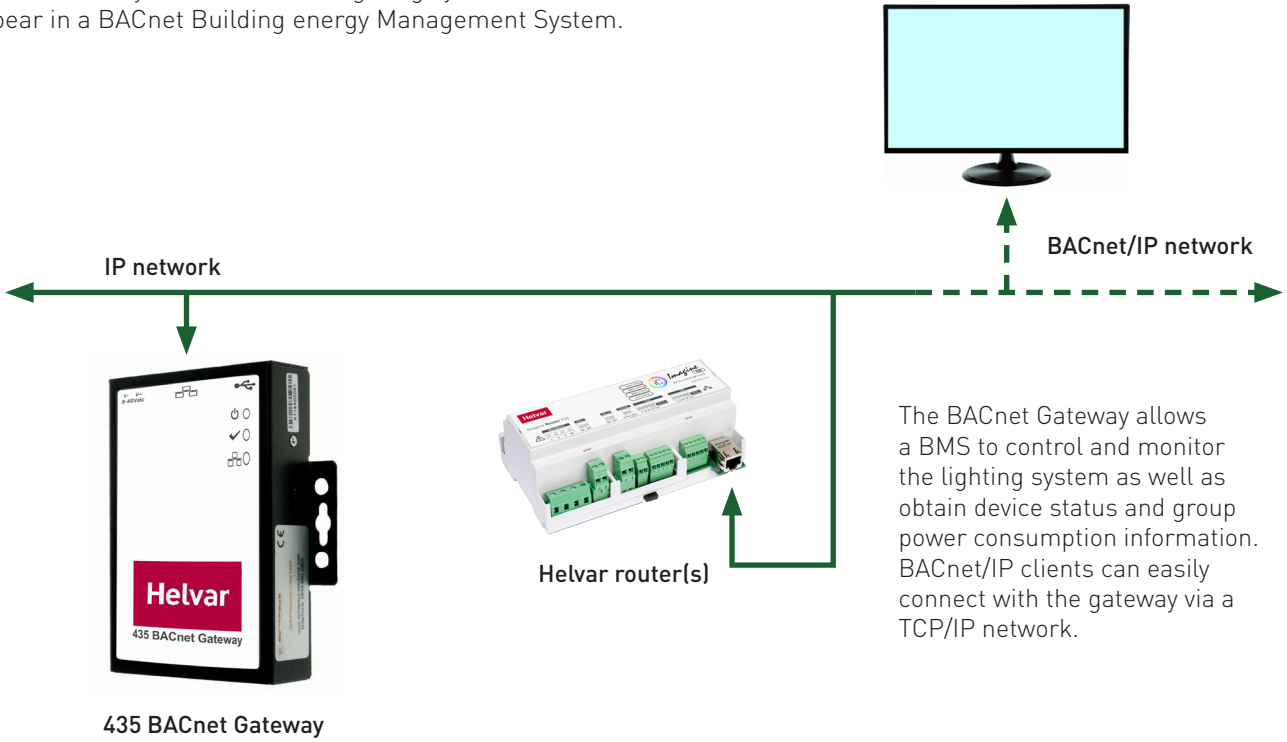


BACnet Gateway (435)

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.



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 Group or DALI device | BACnet point instance |
|---------------------------------------|--------------------------------------|
| 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 |

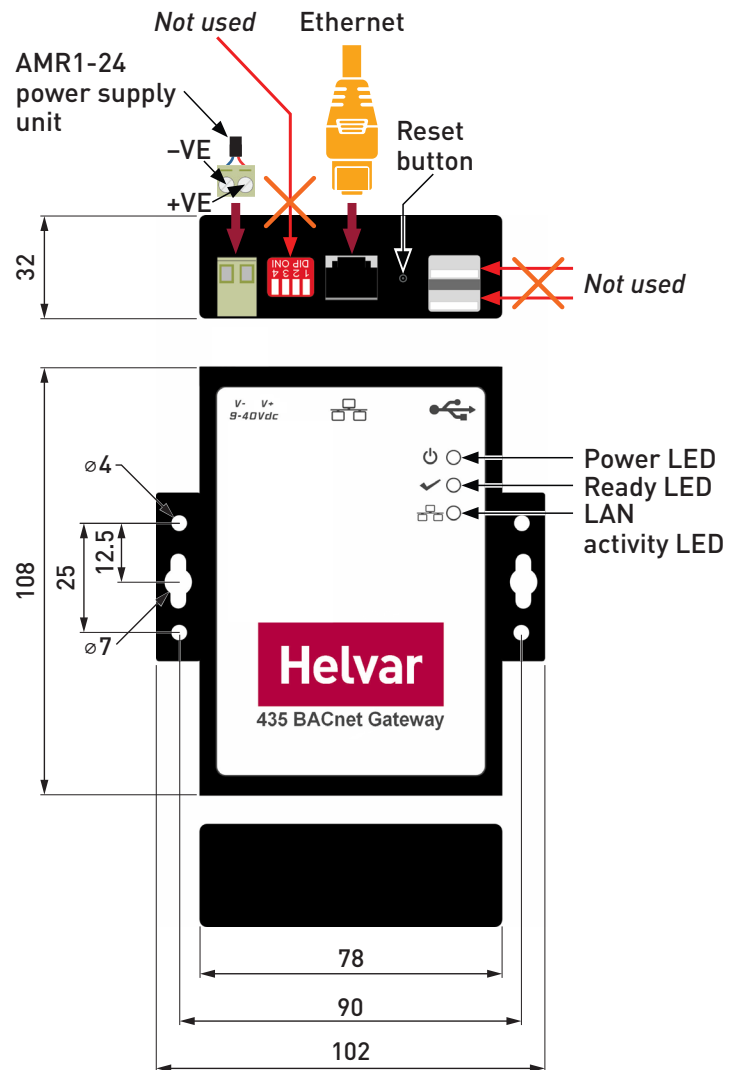
Conformity and standards

| | |
|---------------|------------------------------------|
| 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 code

435+AMR1 PSU: BACnet Gateway with 24 VDC 1A PSU.