

# eBACgw-OVA

BACnet GATEWAY FOR OVA  
EMERGENCY LIGHTING SYSTEMS

The successful integration of proprietary systems is one of our goals. Our strategic approach to this challenge consists in design and development of specific interfaces promoting the proprietary world to the level of BACnet automation system. The eBACgw gateways connect the proprietary system to a standard BACnet network.

The gateway is one of the key points in the process of system integration, because it translates the messages from one protocol to another. The process is transparent to the final user, so the integrated BACnet network appears as a single network of BACnet devices only.

Using gateways versus BACnet allows to:

- "look at" the plant under one philosophy
- design upgrades and extensions without restrictions due to the specificity of the proprietary system
- recover existing installations
- give interoperability features to systems otherwise isolated
- open the door to new developments speaking of convergence with the ICT world.

## Description

The **eBACgw-OVA** is a BACnet gateway for OVA-Schneider Electric emergency lighting management systems.

The gateway contains the drivers to interface the OVA Dardo Plus (by G.Bargellini&C s.p.a) emergency lighting system supervisor.

## Functionality

- automatic central system recognition (max 4)
- automatic lamp recognition
- allarms and notification events
- BBMD support
- WEB based configuration
- BACnet browser inside



## Application

The eBACgw-OVA gateway is designed to work into building automation plants where is needed to integrate on BACnet information coming from the emergency lighting system.

The gateway maps on BACnet real-time data related to the state of each lighting supervisor device and each single emergency lamp. Alarms and failures are sent on BACnet when abnormal conditions occur on the lighting supervisor or on lamps, while different event classes allow to select the notification recipient according to event type. It's also possible to activate the plant tests (autonomy and functional) and put the plant into rest mode, in order to preserve the battery charge when main supply is removed in a managed way (for example for maintenance).

## How to order

You can order ESAC eBACgw gateway for OVA emergency lighting systems referring to the following product codes:

**eBACgw-OVA**



## Specification

### Device profile

- gateway

### Power supply

- 5 V DC
- 110/220V PSU included

### Technology

- 32 bit CPU

### Wiring

- power supply
- Ethernet 10/100
- RS485

### Indication

- power supply
- ethernet activity

### BACnet Objects

- supervisor status
- plant status
- bus status
- link Status
- functional test command
- autonomy test command
- rest mode command
- lamp ready on then bus
- bulb on/off
- mains present
- battery charged
- functional test
- autonomy test

### Environment

- Temperature: 0...+45°C
- relative humidity: 10...90%  
(non condensing)

### Metrics

- 137 x 47.5 x 95.4 mm (WxHxL)
- mounting brackets are included
- optional DIN rail adapter

### Weight

- 500 g

### Approvals

- CE