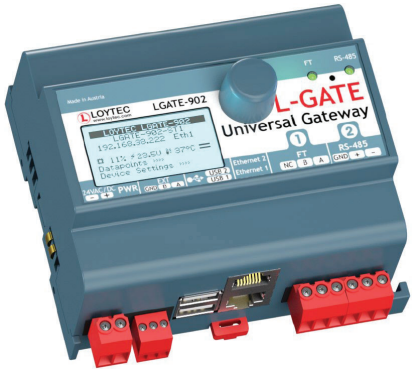
Addressable fire products

EC650C – BACnet Interface



The EC650C BACnet interface is customised for use with Eaton's fire systems and provides a BACnet interface to 3rd party systems by mapping fire system data to standard BACnet server objects.

BMS systems can subscribe and synchronise to BACnet server objects that are updated each time a status change occurs anywhere in the fire system.

Key features

- BACnet interface for Eaton's fire system
- Supports one BACnet MS/TP or BACnet/IP channel (configurable)
- BACnet/IP and BACnet/MSTP activity LED
- Easy to configure
- DIL rail mount
- Permits several Eaton panels to connect to 3rd party BACnet BMS system

Technical specifications

Model:	**EC650C**
Operating Voltage	24 VDC / VAC SELV +/- 10%, typ. 3W
Physical	
Dimensions (H x W x D)	100mm x 107mm x 75mm
Ingress protection	IP40 (enclosure) IP20 (screw terminals)
Weight	359 grams (boxed) 284 grams (unboxed)
Installation	DIN rail mounted or wall mounted
Configuration	Plug 'n' play
LON network EOL	120 Ω resistor
Environmental	
Temperature	Operating 0 to 50 °C Storage 0 to 50 °C
Relative humidity range	10 - 90%

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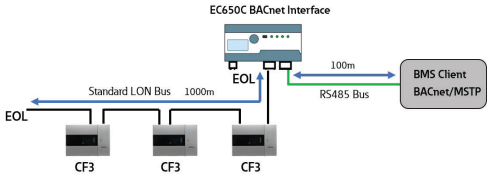
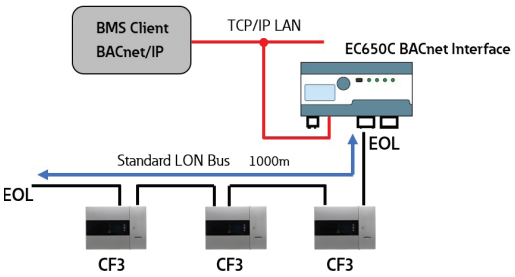
Application examples

EC650C
BACnet/MSTP Interface application



EC650C
BACnet/IP Interface application



BACnet addresses

Object Name	Type	Description
System Events		
RxPanelData_CmdStatus	Binary Input	System event data consists of 31 BACnet server objects that update simultaneously when a fire system event is generated by any control panel in the system. BMS systems should take care to subscribe to each update event synchronously and not poll these objects.
RxPanelData_PanelNumber	Analogue Input	
RxPanelData_CmdStatusNumber	Analogue Input	
RxPanelData_Address	Analogue Input	
RxPanelData_Analogue	Analogue Input	
RxPanelData_Zone	Analogue Input	
RxPanelData_Loop	Analogue Input	
RxPanelData_Always_1	Binary Input	
RxPanelData_TypeID	Analogue Input	
RxPanelData_Location_ Location_1...25	Analogue Input	
System Command Status		
nviReset_state	Binary Input	System Reset Status
nviEvacuate_state	Binary Input	System Evacuation Status
nviSilence_state	Binary Input	System Silence Status
System Command Action		
nvoReset_state	Binary Output	Send Reset Command
nvoEvacuate_state	Binary Output	Send Evacuate Command
nvoSilence_state	Binary Output	Send Silence Command
Additional Info		
Id_in	Analogue Input	Panel Id of Last Event
nviLoop	Analogue Input	Loop Id of Last Event

Order codes

Description	Model reference	Order code
BACNET LON INTERFACE	EC650C	400034FIRE-0074

Note: All information correct at the time of writing. Eaton reserve the right to make changes to this information. Please contact Eaton if you have any queries.

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