

Link fire alarm control panels to Building Management Systems



Convenient incorporation of fire detection and alarm systems into your building without compromise

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www.open-connect.co.uk


WORLD CLASS FIRE SOLUTIONS

Bringing all your services together

It's already been done with environmental and security systems—heating, ventilation, lighting, security and access control. But fire detection and alarm systems have always been different. Fire detection systems save lives and are subject to much tougher standards and controls than security or other systems usually are.

But wouldn't it be convenient if you could incorporate fire detection and alarm systems into your building management systems (BMS).

OpenConnect makes this possible without any unique software being written and using a simple, off-the-shelf product.

The OpenConnect Gateway takes the information from your fire alarm control panel and connects it to your building management system using standard BMS protocols. These include: Modbus®, BACnet™ and LonWorks®.

Independent control panel manufacturers working with Apollo can obtain a license to use OpenConnect and offer customers a seamless interface to their BMS. For more information visit www.open-connect.co.uk

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What is the OpenConnect Gateway?

OpenConnect Gateway is a means of connecting an Apollo-based fire detection and alarm system to a building management system using a standard OpenConnect protocol developed by Apollo and an interface—the OpenConnect Gateway. To find out more visit www.open-connect.co.uk

The advantages?

- Increased efficiency of system management
- No modification to fire detection and alarm devices
- Integrity of fire alarm system assured
- Reduced cost through standard software and single interface
- Choice of panel manufacturers offering OpenConnect
- Full system integration
- Recurring engineering not required for each project
- DIN-Rail mountable

OpenConnect Protocol

The protocol is an object-oriented model comprising representations of fire system components. The protocol is transport independent and the OpenConnect Gateway connects via RS232 to the fire control panel.

Multiple Tier Implementation

There are three tiers of implementation:

- Tier 1 Basic event information
- Tier 2 Tier 1 plus fire control features
- Tier 3 Tier 2 plus device configuration information

Development Tools

An OpenConnect Simulator is available that will provide the functionality of Tiers 1, 2 & 3 and byte-level debugging. It runs on Windows XP, Vista and Windows 7.

Configuration Wizard

The OpenConnect Gateway is easily configured using a PC's web browser. BMS addresses are mapped to the chosen fire alarm events automatically and a matrix generated.

Licensing

Participating fire alarm control panel manufacturers are licensed to use the protocol and sell the OpenConnect Gateway.

Each licensed control panel manufacturer will be given a unique authentication signature or code allowing their product to connect to the OpenConnect Gateway and provide traceability back to the manufacturer.

The licensed panel manufacturer will:

- Develop their own software to incorporate OpenConnect protocol
- Provide a suitable physical connection from the control panel to the OpenConnect Gateway.

Full details of the protocol and the Gateway are available from Apollo.

Models

The OpenConnect Gateway is available in the following base model options:

- OpenConnect Gateway SM JACE - 56100-001
- OpenConnect Gateway MD JACE - 56100-002
- OpenConnect Gateway LG JACE - 56100-003
- OpenConnect Gateway XL JACE - 56100-004

Accessories include:

- 24V AC/DC PSU - 56500-001
- 120/240V AC PSU - 56500-002
- RS485 interface card - 29600-582
- Lon adapter - 29600-583
- RS-232 option card 29600-597

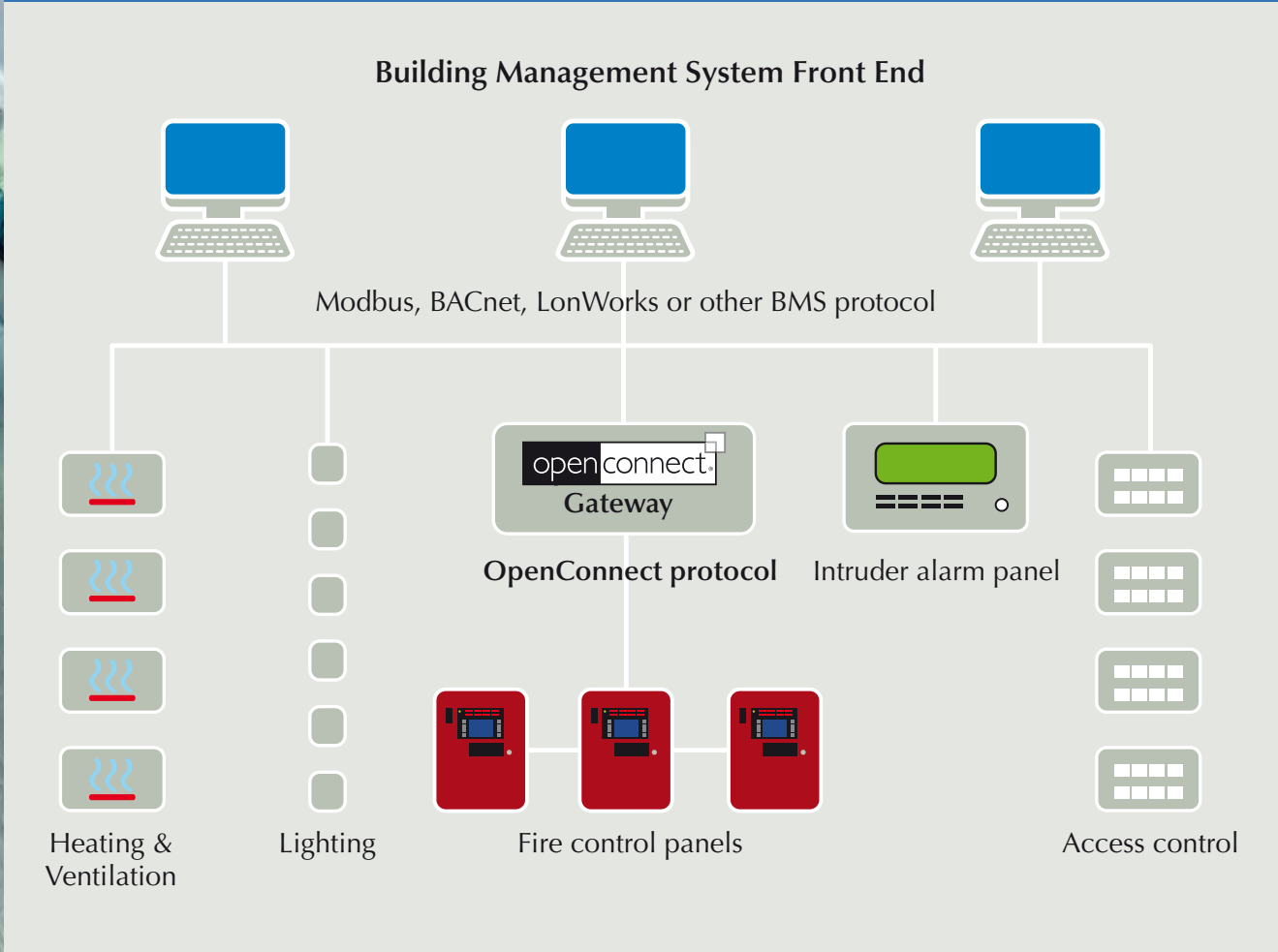
Note: The OpenConnect Gateway base models include:

- 2 x Ethernet Ports (RJ45 connector)
- 1 x RS232 port* (9 pin D type connector)
- 1 x RS485 port (3 way connector)
- 15V DC input
- 2 x spare comms card slot

*control panel connection



Typical connection of networked fire control panels to BMS



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www.open-connect.co.uk

A HALMA COMPANY



36 Brookside Road, Havant, Hampshire, PO9 1JR, UK.

Tel: +44 (0)23 9249 2412
Fax: +44 (0)23 9249 2754



Email: sales@apollo-fire.co.uk
Web: www.apollo-fire.co.uk