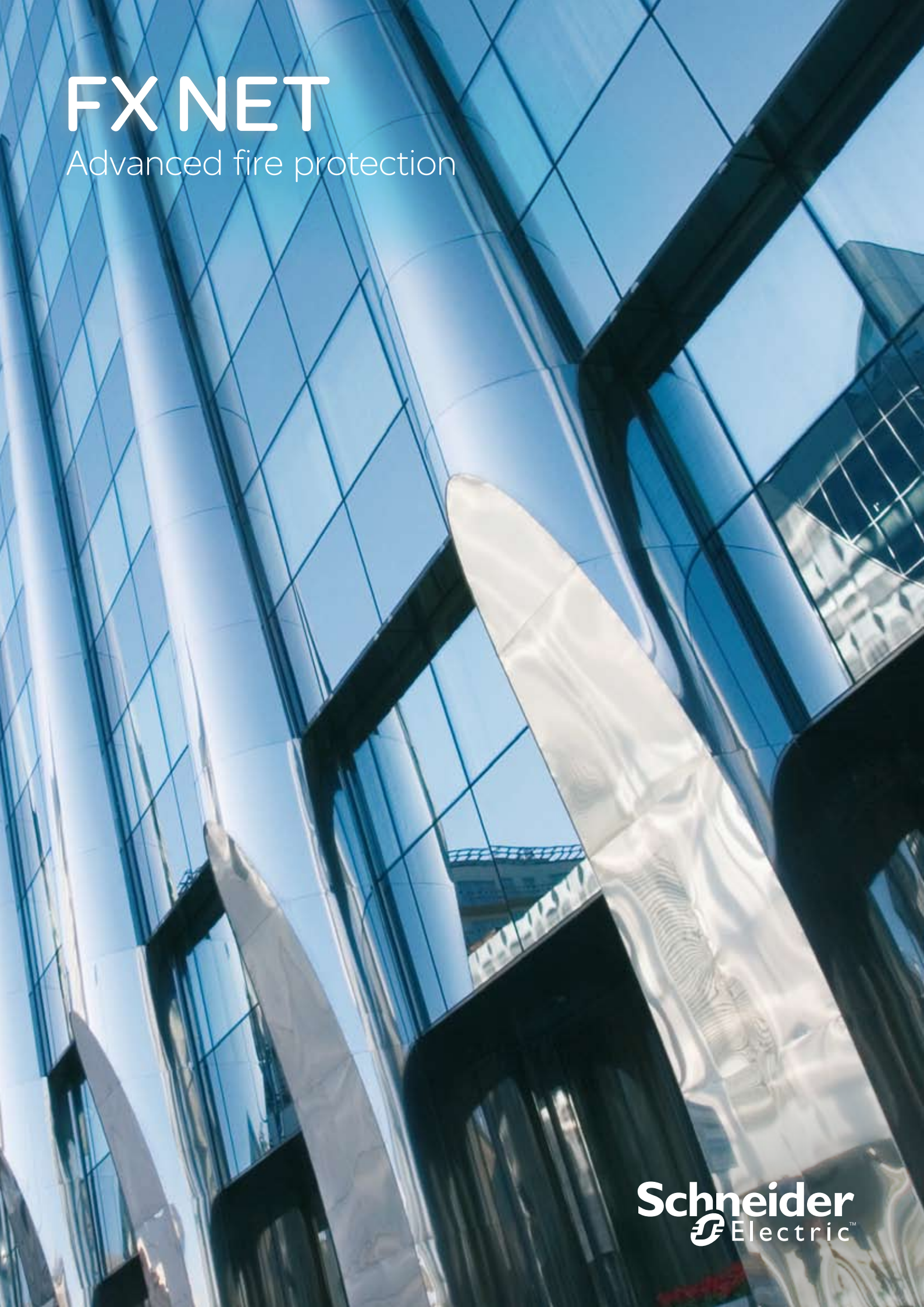
FX NET

Advanced fire protection

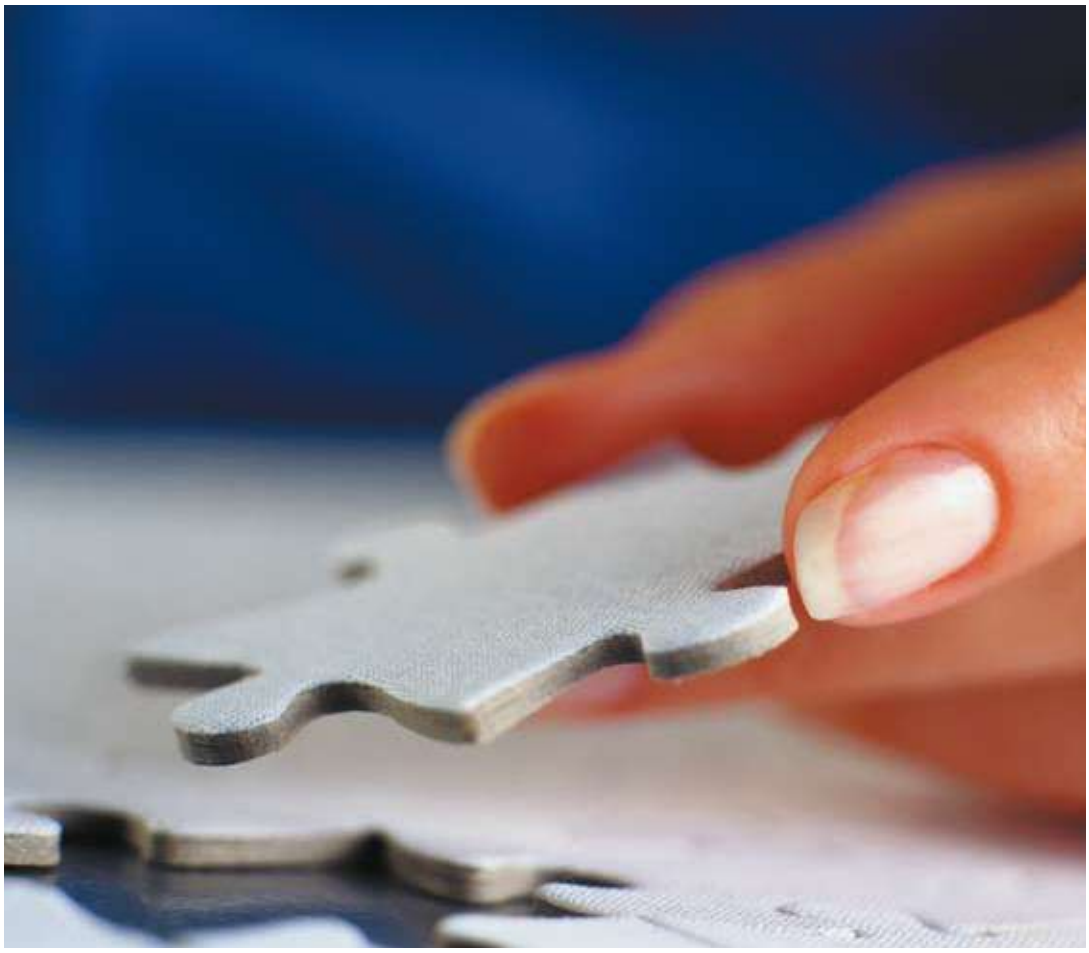


Schneider Electric™

FX NET - scalability according to your needs

Networked FX NET fire detection system from Schneider Electric offers many advantages over other fire alarm systems, such as user friendliness, adaptability and cost savings.

Modular and Scalable



FX NET is a complete, modular solution with easy and cost-effective expansion options. The system can now be expanded flexibly in small increments as your needs change. System capacity can be increased by adding more loop controllers, and the number of controls, by installing I/O controllers. Serial cards provide connection to graphic systems, integrated Schneider Electric or other systems.

Thanks to active development work, FX NET is constantly enhanced with new functions. It is possible to link more than 16,000 detectors to the system in accordance with respective standards. With an integrated system, significantly more extensive total systems can be set up. The entire system, or a selected part of, it can be controlled from one or more control panels as requested.

Easy to configure

A networked FX NET system can be changed and adapted according to your needs. Control panels are configured according to a pre-defined plan either as “seeing” (main control panel) or “visible” (substation) units. A seeing control panel sees all detectors that are programmed as visible to it and is able to control these detectors and to process messages received from them. The settings are easy to change without interfering with the cabling or physical installation. For example, in an industrial building, a (seeing) control panel at the gate sees all (visible) control units in the building. The control panel at the gatehouse of a site can be configured as a seeing unit, which sees all events occurring at the (visible) control units in all buildings on site, while a control unit at an individual building sees all events within the building where it is located.

Unique ease-of-use

In an FX NET control panel, conventional buttons are replaced with a control wheel which makes function selection from the user menu simpler.

No more false alarms

Special attention has been paid to immunity to false alarms when designing FX NET's functions. The system applies an intelligent multi-criteria combination detector technology. Active programmable detectors with analysing capabilities efficiently distinguish between occurrences of fire and other incidents.

FX NET's programmable functions provide many options for the elimination of false alarms. An individual fire detector can be set up in such a way that its sensitivity varies from day time to night time. This decreases false alarms caused, for example, by building works.

If required, a two-phase "delayed fire alarm" can be put into operation. This ensures in advance that the hazard situation is real and requires attention from a fire-fighting unit. In many European countries this function is already part of the requirements set for fire detection systems.

Modularity of the FX NET control panel makes it easy to set up the system according to specific needs. Networked and distributed system structure improves fast detection capabilities, reliability and dependability of tne system

FX NET technology

The modular structure of FX NET control panels and use of multiprocessor technology facilitates easy expandability. The user can activate only those parts of the system they really need and expand it as their needs change. On the other hand, multiprocessor technology combined with a networked system structure offers distributed functions, fast detection capabilities and reliability.

The processor card or MC (Master Controller) monitors the operation of all system sections and field instruments and submits all events to the display. It also communicates data to other control panels and external systems through an optional serial interface board.

Effective 4.5A and 2.2A power supplies ensure that power is fed to the system according to the standards. They also keep the battery backup system fully charged.

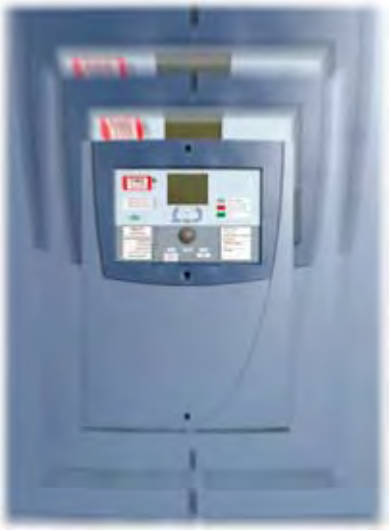
Loop Controllers (LC) communicate constantly with all active, programmable and addressable devices with analysing capabilities in a loop, guaranteeing a fast and immediate response if any of the detectors senses a risk of fire.

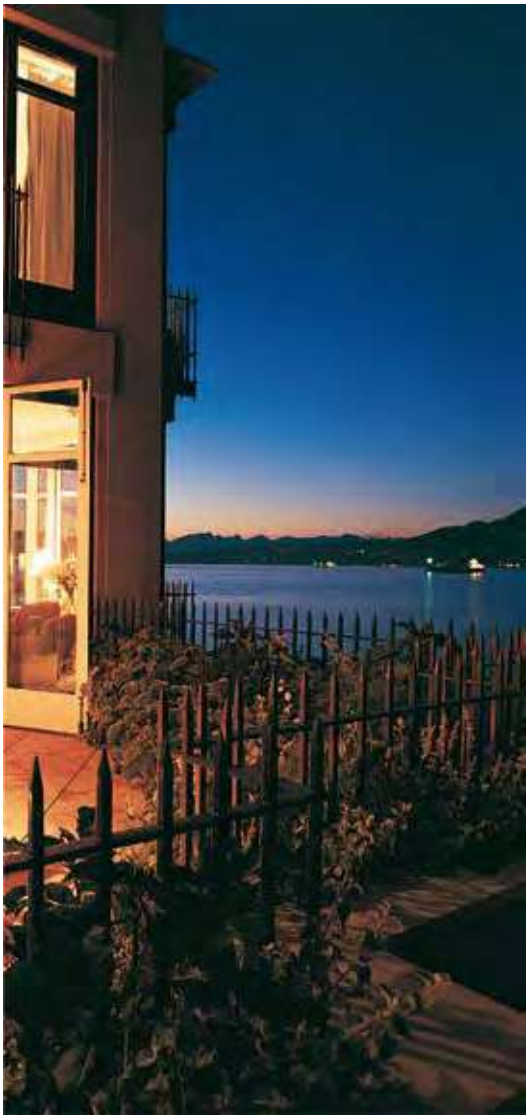
Conventional detectors can be linked to Conventional Loop Controllers (CLC). This function can be used when replacing old fire detectors making it easy and cost-efficient to introduce modern, intelligent and addressable systems.

I/O Controllers (IOC) allow for the use of several different fire retention systems, information and audio systems as well as special detectors and functions.

Tailored fire alarm solutions

Schneider Electric offers a complete range of solutions for large as well as smaller fire detection needs - for hospitals, hotels, commercial and industrial buildings and power plants etc. Varying





Product development ensures a safer future

Schneider Electric invests heavily in product development. In fire protection the focus is on the development of intelligent technologies which ensures uninterrupted operation of your business and safety of personnel and buildings.

All fire detection and other systems supplied by Schneider Electric can be complemented and upgraded with ease. When renewing a system, compatibility between the old and new technology saves time, money and effort.

Compatibility with earlier systems

FX NET can be connected to any fire detection system supplied by Schneider Electric. Most of the detectors used in earlier systems can be retained and renewed as project schedules and budgets allow. It is also easy to expand and replace control panels currently in use. FX NET can be part of an integrated Schneider Electric security system.

Secure system structure

In a networked system the cabling between systems is duplicated and data transmission secured. There is also a two-way power supply to those control panels with no individual power supply of their own. Additionally, when a panel with an alarm transmission unit is equipped with a second processor, the system is effectively protected against potential cable faults or processor failures. The transmission unit forwarding messages is able to send the alarm even if the main processor fails.

Reliable supplier of fire detection systems

Schneider Electric's Esmi is a market leader in fire detection supplies in Scandinavia. Over 70 years of experience from the security field is demonstrated also in the practises of the entire field, as Esmi is an active contributor to the work involving authorities and a member in many related task forces. Esmi's knowhow is recognised around the world as well; fire detection systems certified in accordance with standard EN 54 are used in 20 European countries. Esmi is a member of Euralarm, an association of European manufacturers and installers of fire and security systems, and participates also in international standardisation work.

The FX NET fire alarm system changes and adapts according to your needs

FXS

Modern slim panel with networking interface that befits any building entrance

FXM

A powerful panel that can be standalone or used as part of a networked system

FX NET fire detection system:

- 32 fire alarm panels
- 256 addressable loops
- 8,000 fire zones
- Max.16,384 addresses

FX

Medium to large sites or be part of a network solution

FXL

For large demanding installations that require complicated controls

FMPX

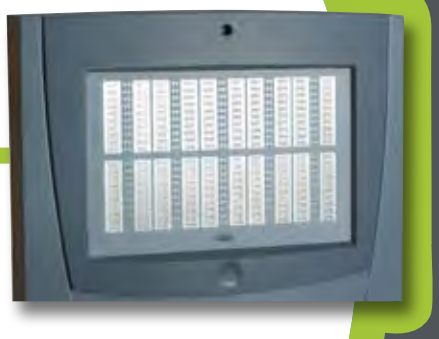
A fully functional
fire mans panel

Some additional features

- integration
- graphical user interface
- logical controller
- repeater panel

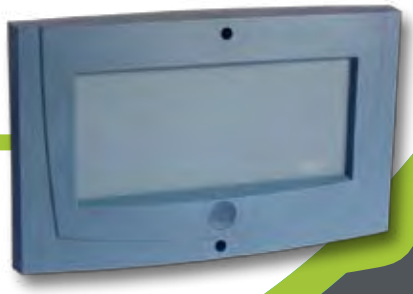
ZLPX

LED panel with
200 zones



MCOX

A power full unit for
programming of logical
functions



All of Schneider Electric's fire alarm system can be extended and updated easily. When renewing the system, this type of compatibility with next-generation innovations translates into major savings in time, money and effort.

Office locations for UK

Ashby-de-la-Zouch Head Office
Smisby Road,
Ashby-de-la-Zouch
Leicestershire
LE65 2UG

Tel: +44 (0)1530 417733
Fax: +44 (0)1530 415436

Maidenhead
Braywick House East
Windsor Road
Maidenhead
SL6 1DN

Tel: +44 (0)844 994 0317
Fax: +44 (0)1628 741101

London
3rd Floor
120 New Cavendish Street
London
W1W 6XX

Tel: +44 (0)844 994 0317
Fax: +44 (0)203 107 1611

Warrington
Europa House
Gemini Business Park
310 Europa Boulevard
Warrington
WA5 7XR

Tel: +44 (0)1925 401000
Fax: +44 (0)1925 401166

Scotland
Units 1-6
Technology Building
James Watt Avenue
Scottish Enterprise Technology Park
East Kilbride
G75 0QD

Tel: +44 (0)1355 233732
Fax: +44 (0)1355 23940

Office locations for Ireland

Belfast
Units 1 & 2
40 Montgomery Road
Belfast
BT6 9HL

Tel: +44 (0) 2890 705545
Fax: +44 (0) 2890 702215

Cork
Unit 38,
Eastgate Drive
Little Island
Cork

Tel: + 353 (0) 21 435 4388
Fax: + 353 (0) 21 435 4398

Dublin
Block A, Maynooth Business Campus
Maynooth,
County Kildare
Ireland

Tel: +353 (0)1 651 0640
Fax: + 353 (0)1 651 0641

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication