Advanced

EvacGo

Evacuation Alert System

Easy BS 8629 Compliance

Advanced

EvacGo makes meeting BS 8629 easy.

EvacGo, the evacuation alert system from Advanced, brings you peace of mind that your tall residential building meets the new code of practice recommendations.

Built using our industry-leading MxPro 5 panel technology, EvacGo delivers proven performance, quality and ease of use.

Combining robustness and reliability with speed and simplicity, our evacuation alert system comes in a range of flexible formats with wired, wireless and hybrid options available.

This versatility ensures complete freedom to create the best possible evacuation alert solution, as specified by your local fire and rescue service.

Failing to properly meet new life safety rules is high risk; choosing Advanced leaves nothing to chance.

Building a safer future

Advanced – made in the UK. Trusted around the world.

Discover more: advancedco.com | marketing@advancedco.com | +44 (0)345 894 7000

Advanced
The Standard in Fire Systems

Contents

Foreword

The critical importance of the BS 8629:2019 Code of Practice

The tragedy of Grenfell, and many other tall building fires before it, serve as stark reminders that the unthinkable can happen.

Clear, efficient evacuation procedures form an important part of ensuring life safety, so any measures that can be put in place to support them must be wholeheartedly welcomed.

As such, the development and publication of BS 8629 marks a critical turning point. It is hoped that the introduction of dedicated evacuation alert systems in residences over 18m will help guard against future loss of life. They will also give our fire and rescue service personnel a far better chance of achieving the successful outcomes they strive for.

Although the code of practice recommendations have been written with new buildings as their focus, the guidance should be taken as best practice for any tall residential building.

We urge you to work with your local fire and rescue service to check if an evacuation alert system would be advisable in your property, so we can all play our part in building a safer future.

Advanced – Made in the UK. Trusted around the world

Advanced designs and manufactures specialist fire equipment that protects lives and property in more than 80 countries across the globe.

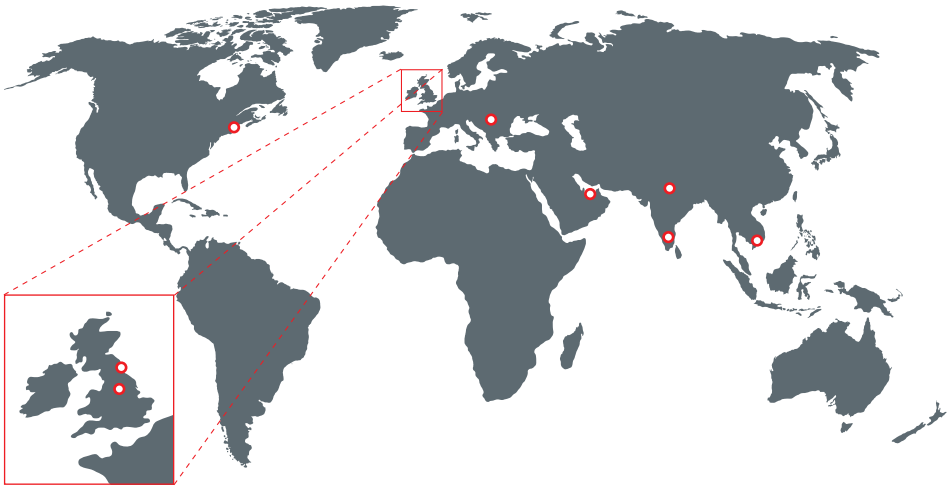
Our market-leading fire protection solutions are installed in many of the world's tallest – and smallest – buildings, as well as in a wide variety of complex and high-risk sites.

Decades of research and development have gone into our products, which are known and trusted by customers for their **quality, performance** and **ease of use**.

We offer an extensive range of panels and devices approved to exacting international quality standards; with every product we make rigorously tested before it leaves us.

We 'mass-customise' our panels, so you can be sure your Advanced equipment meets your exact requirements and provides years of reliable performance and protection – for ultimate peace of mind.


Hagia Sophia, Turkey



Knowing that some sites pose unique challenges, we also design and manufacture fully-customised solutions through our AdSpecials service. This flexible approach gives you complete control over the functions, format and finish of products to suit your site's unique specification.

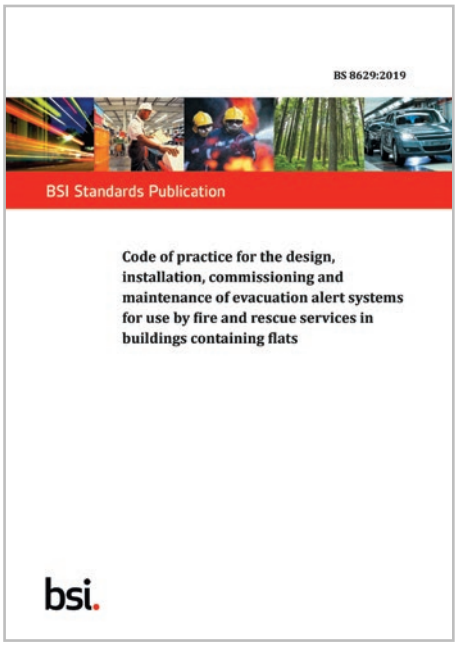
We have an international network of offices and agents so you can easily access sales support wherever you are in the world.

Training and technical support are provided by our in-house team, free-of-charge to all direct customers, and consistently rated as excellent.

Advanced is part of the safety sector of Halma plc, a global group of life-saving technology companies with a clear purpose to grow a safer, cleaner, healthier future for everyone, every day.

A Halma company

What is BS 8629:2019?



BS 8629 is the code of practice for the design, installation, commissioning and maintenance of evacuation alert systems for use by fire and rescue services in buildings containing flats.

The code of practice recommendations are strongly advised for new buildings with a storey more than 18m above ground level containing flats and equally relevant as best practice for existing buildings too.

Why has BS 8629 been developed?

In the past, when fires have occurred in a tall residential building with a 'stay put policy' in place, it has been common practice for the fire and rescue service to evacuate the occupants of the affected flat only. On rare occasions, the occupants of nearby or adjacent flats would be evacuated too. Notification has been by means of firemen physically knocking on doors as there was no other effective way of alerting occupants.

When attending a fire incident, initial resources are ideally focused on firefighting. In cases where more widespread evacuation is necessary, having an evacuation alert system in place enables occupants of flats to be effectively alerted by the fire and rescue service's incident commander without diverting efforts away from essential firefighting operations.

How was BS 8629 developed?

The principles of BS 8629 were formed as part of a review of Scottish Building Standards before the Grenfell Tower tragedy of June 2017. However, its recommendations came into sharp focus following that incident.

On 30 October 2019 the Grenfell Tower Inquiry Phase 1 report was published, and contained recommendations that 'all high-rise residential buildings [both those already in existence and those built in the future] be equipped with the means for fire and rescue services to send an evacuation signal to the whole, or a selected part, of the building by means of sounders or similar devices'.

Since 30 November 2019, following the publication of the Phase 1 report, the BS 8629:2019 code of practice has been strongly recommended in England. It became mandatory in Scotland on 1 October 2019. The standard is due to be reviewed in 2021.

Review of Scottish Building Standards

2017

Publication of Grenfell Tower Enquiry Phase 1

30 October 2019

BS 8629:2019 to be reviewed

2021

1 October 2019

BS 8629:2019 becomes mandatory in Scotland as part of the Scottish Building Standards

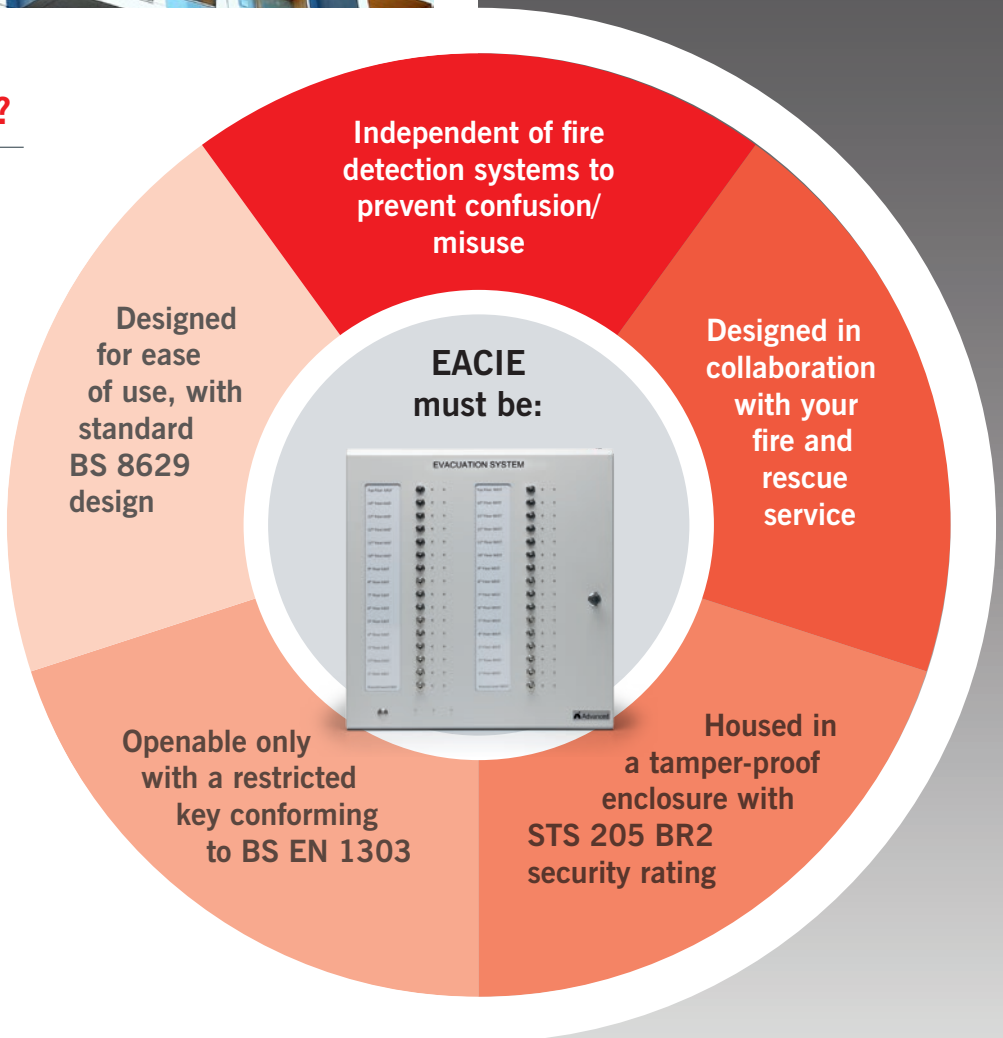
30 November 2019

BS 8629:2019 code of practice is published and its recommendations strongly advised in England

What are the key points of BS 8629 that I need to meet?

The code of practice recommends the installation of EACIE (evacuation alert control and indicating equipment) which should be independent of fire detection systems and designed to support any evacuation strategy chosen by the fire and rescue service.

The EACIE must be housed in a tamper-proof enclosure, and access must be restricted to fire and rescue service use only by means of a special key.



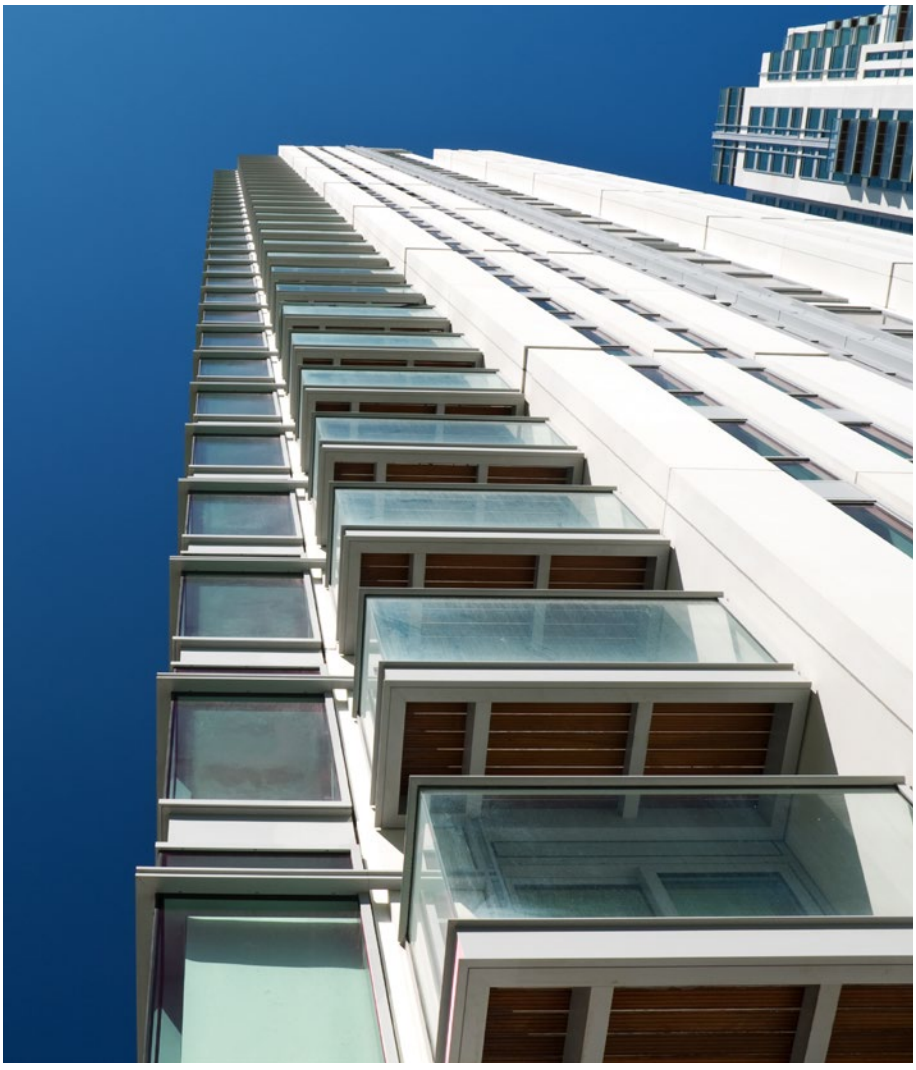
Why choose an evacuation alert system from Advanced?

Our evacuation alert system, EvacGo, has been developed with great care to follow all the recommendations of BS 8629.

During product development, we have discussed our solution with the standard's authors, refining aspects of appearance, functionality and operation to ensure full compliance.

All the components used in our evacuation alert system are the same as those used in our industry-leading MxPro 5 range, so you can be safe in the knowledge you're protecting your site with robust and proven technology that's been rigorously tested to EN 54 Parts 2 and 4 as recommended in BS 8629.

In addition, the devices supplied as part of the EACIE system have been approved to BS EN54 Part 13. Third-party test certification to the standard provides additional peace of mind.



Making it easy for you to follow BS 8629

We understand that adhering to new standards can be daunting, so from the moment you enquire about an evacuation alert panel, we ensure the order process is quick and easy to follow.

We've developed a simple form highlighting all the steps you need to take to create the right specification for your evacuation alert system – from consultation to design and delivery.

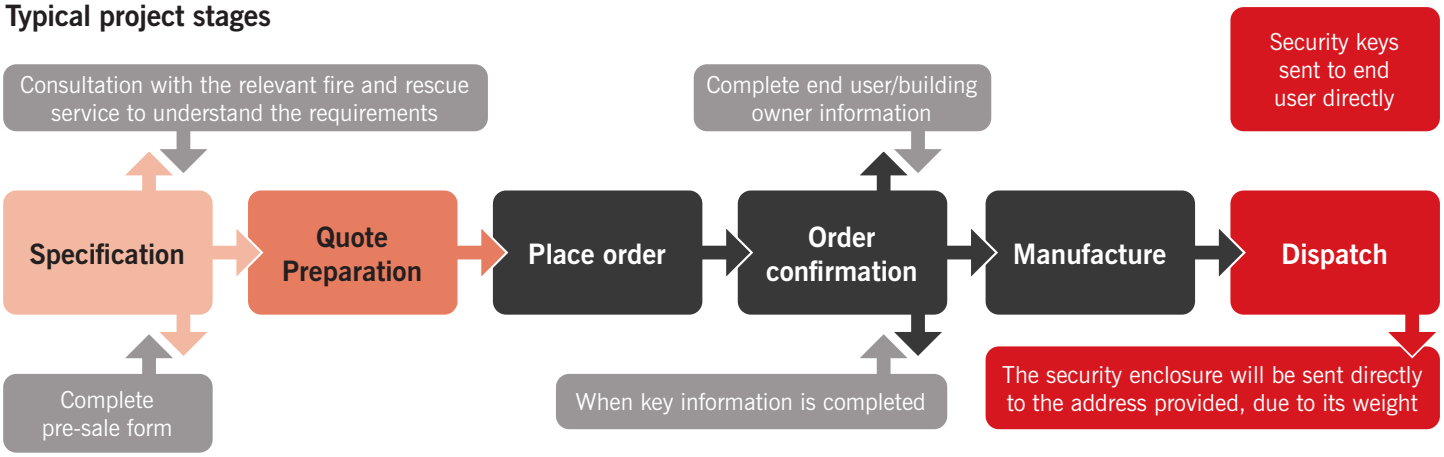
Once the requirements for your site have been agreed with your local fire and rescue service, place your order in the normal way – either direct or via distribution – and we'll clarify the panel specification, quote and timescale and build your evacuation alert panel to order.

We make delivery easy too, as our processes allow for shipment of enclosures, panels, devices and keys* to the most convenient location(s) and at the best time(s) to suit you.

**Please note that the keys for the security enclosure are registered to the end user/person responsible for the build and will, in all cases, be sent directly to them.*

6 simple steps to a BS 8629 solution

Typical project stages



From order confirmation, typical timescale is six weeks.

Once your order is confirmed, we'll agree the project schedule and a delivery date with you.

Specification and quote preparation

The specification stage is critical, and the installer/designer needs to ensure that the fire and rescue service and, if relevant, building control have been involved in the solution before submitting a design. Once you fully understand the evacuation alert control and indication equipment (EACIE) required, we can take you through the products and provide you with the solution you need.

Ordering

For further advice and guidance on ordering your Advanced evacuation alert system, please contact your local Advanced representative, email **EvacGo@advancedco.com** or call Sales Support on **+44 (0)345 894 7000, option 3**.

Order confirmation and manufacturing

Once we receive an order with the correct design information, the security enclosure key set will be registered and sent directly to the responsible person or landlord. At the same time, the system manufacturing can begin.

Dispatch

The EACIE will be dispatched to you. It will be fitted with the relevant loop card(s) and, if required, a fault-tolerant network card to complete the package. The security enclosure will be sent to your designated address directly from the manufacturer, at the time and to the place you specify.

Benefits of the Advanced evacuation alert system – EvacGo

Anatomy of the EvacGo

1. Toggle switches are easy for fire and rescue service personnel to operate, even when wearing PPE.

2. Toggle switches plus LED indication make it easy for the fire and rescue service to view evacuation zone status and implement evacuation strategies quickly and easily – red indicates evacuation zone and yellow indicates zone in fault.

3. Evacuation alert panel is housed in its own security-rated enclosure to prevent malicious damage. See page 12 for full enclosure details.

4. Slide-in labels make it easy to clearly mark evacuation zones and avoid any confusion.

5 **Patented BS EN 1303-compliant lock and key mechanism for exclusive access by the fire and rescue service – ensuring minimal risk of unauthorised use.**

1 to 4 loop formats supporting 500 mA per loop for total flexibility.

Built-in battery back-up options – up to 17 ampere-hours, to meet the BS 8629 code of practice recommendations: 72-hours, plus 30 minutes in alarm, or where an on-site generator is present, 24-hours plus 30 minutes in alarm.

Wired, wireless or hybrid system solutions available for maximum versatility.

Commissioning and servicing are quick and easy using our virtual PC tool.

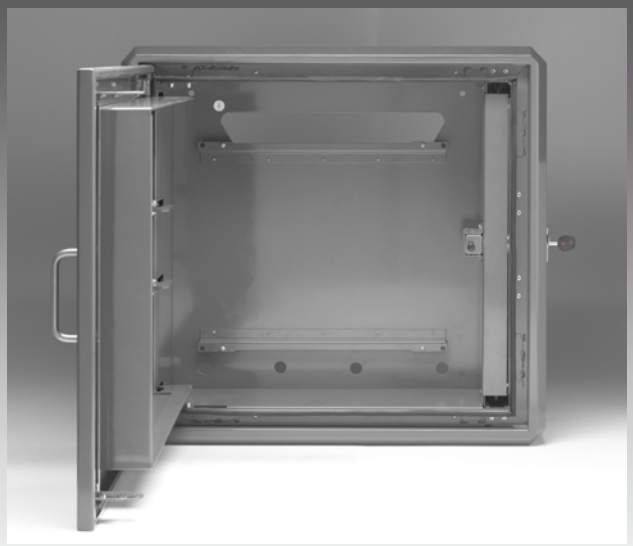
The tamper-proof enclosure

We've developed our robust, tamper-proof enclosure in collaboration with leading experts in the field, Gerda. Members of the Gerda team worked closely with the authors of the BS 8629 code of practice to develop the specification of the panel housing and ensure maximum security for this critical equipment.

GERDA®
uniting fire safety & security™

As the evacuation alert system is intended for exclusive use by the fire and rescue service, it is only accessible by FRS personnel using a unique key.

- Enclosure security rating STS 205 BR2
- The enclosure must be able to withstand a physical attack from hand tools such as a hammer for 3 minutes
- 'EACIE: For Fire and Rescue Service Use Only' sign fixed to cabinet door
- The patented keylock is operated by copy-protected keys carried by the FRS, meeting BS EN 1303.

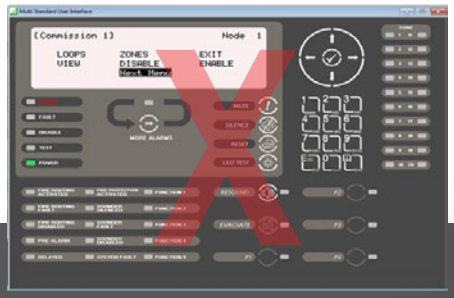


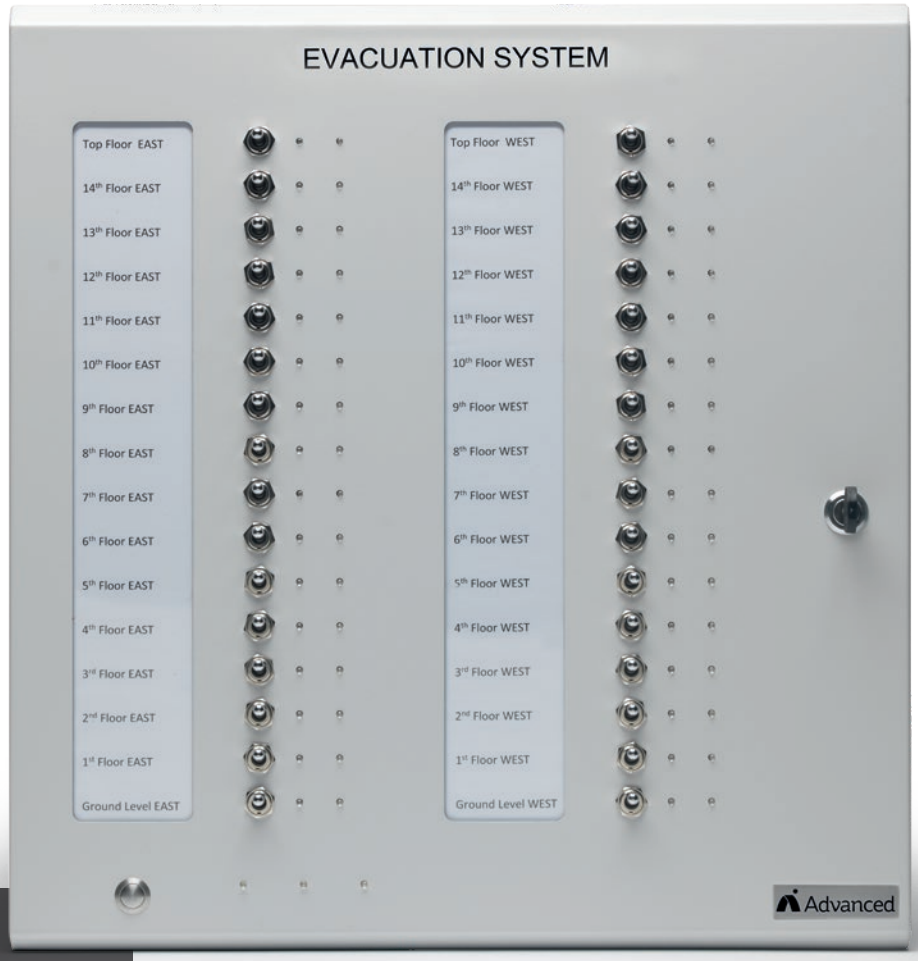
View panel status

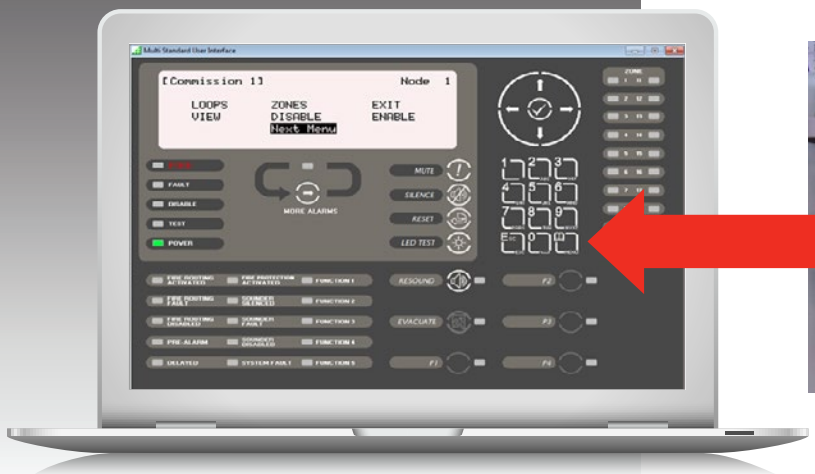
- In the context of BS 8629, text displays are not required for presenting information to the fire and rescue service – a manual control switch with LED is sufficient
- This provides a simple, ‘at a glance’ overview of which evacuation zones are operating, with no need for manual intervention

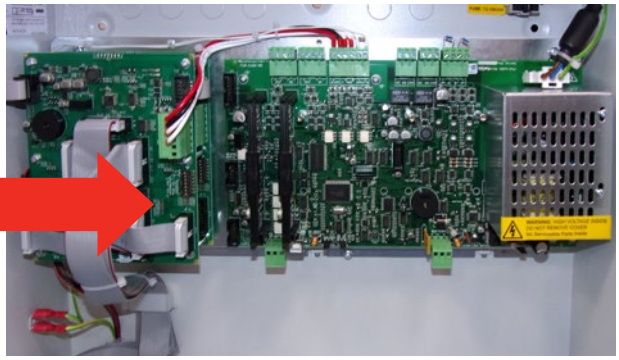
However, service and maintenance engineers do need access to more detailed information.

- The virtual display enables the maintenance engineer to work on the panel remotely
- All programming and servicing can be undertaken on a laptop connected to the EvacGo using Advanced’s DynamixTools PC programming software.









Design considerations

The BS 8629 code of practice provides comprehensive information on matters relating to installation and configuration and should be consulted for full details.

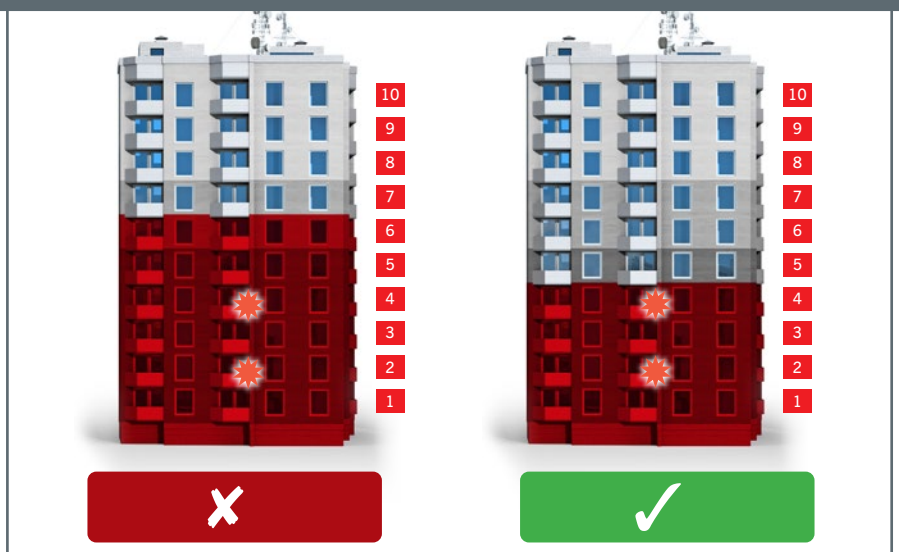
For ease, the following acts as a summary of some critical considerations:

Evacuation alert systems:

- Are independent of the fire detection system and intended for use by the fire and rescue service (FRS) only
- Are intended as a tool to assist the FRS in evacuating a building
- Must be designed in consultation with the FRS
- Must include evacuation alert sounders in each flat that are operated by the FRS via the EACIE only
- Must not incorporate automatic fire detectors or manual call points
- Should not interface with other systems or equipment e.g: lifts | gas valves | air handling systems | smoke control systems
- Can interface with radio transmission equipment for the hard of hearing and equipment for transmission of a fault to a remote location
- In the absence of a British, European or international standard for the Evacuation Alarm Control and Indicating Equipment (EACIE) to be certified against, the EACIE must be 'fit for purpose'

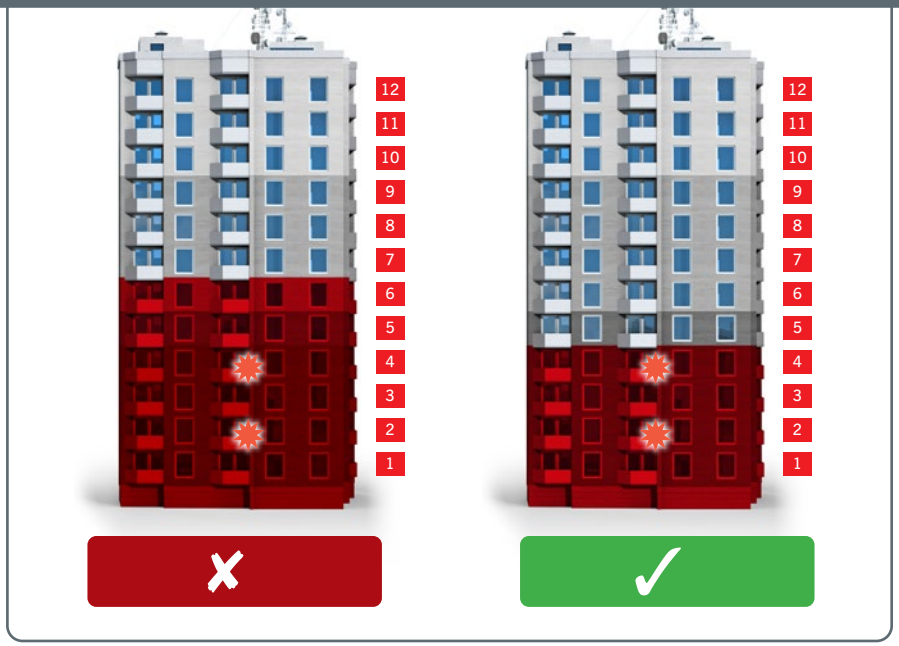
In buildings with 10 storeys or fewer:

Two simultaneous faults on an evacuation alert device circuit **should not** disable the evacuation alert devices on **more than half** the number of storeys with flats



In buildings with 10 storeys or more:

Two simultaneous faults on an evacuation alert device circuit **should not** disable the evacuation alert devices on **more than a third** of the number of storeys with flats



Siting the evacuation alert panel

The EACIE should be sited inside the building in a location where fire fighters, responding to a fire, can easily find and operate the controls and see its indications.

This will normally be on a wall close to the building's normal fire and rescue service entry point and should be readily accessible at all times.

Siting the evacuation alert devices

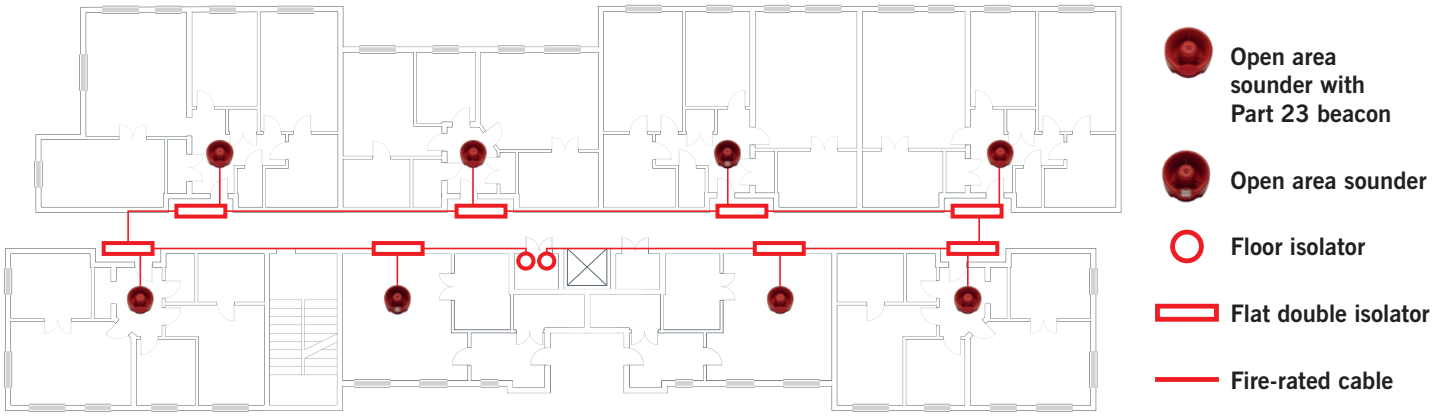
There are two key considerations when siting evacuation devices:

- Ensuring adequate audibility/visual awareness
- Avoidance of casual tampering

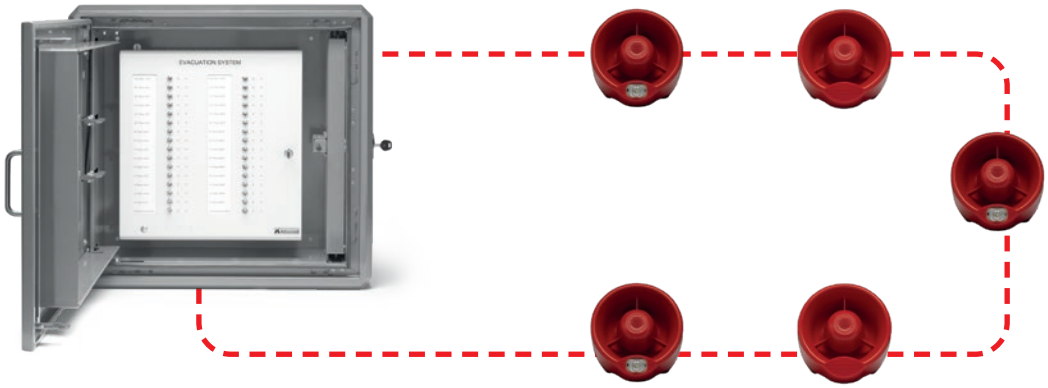
Recommendations

- In every flat, an evacuation sounder should be installed within the hallway and, for larger/open-plan flats, a sounder should also be sited in the room into which the entrance door opens
- All devices should be installed on walls at a height not more than 150mm below ceiling level, or on a ceiling.

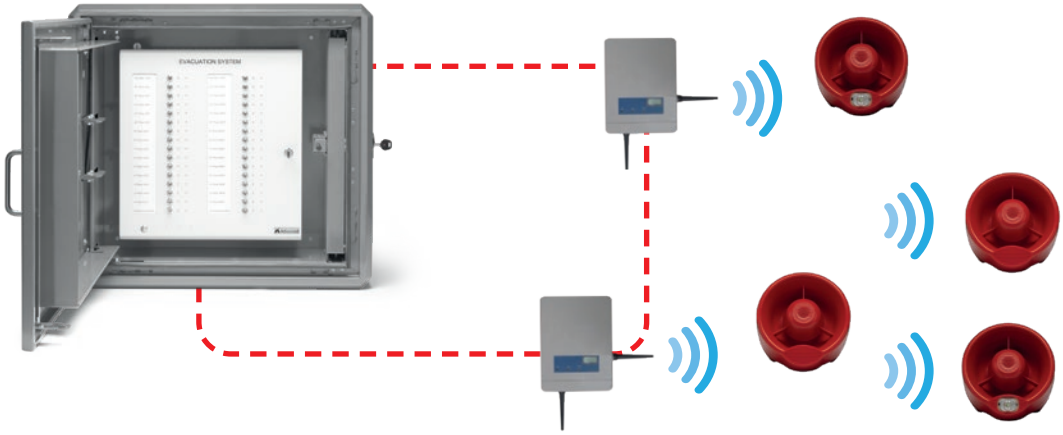
Example layout:



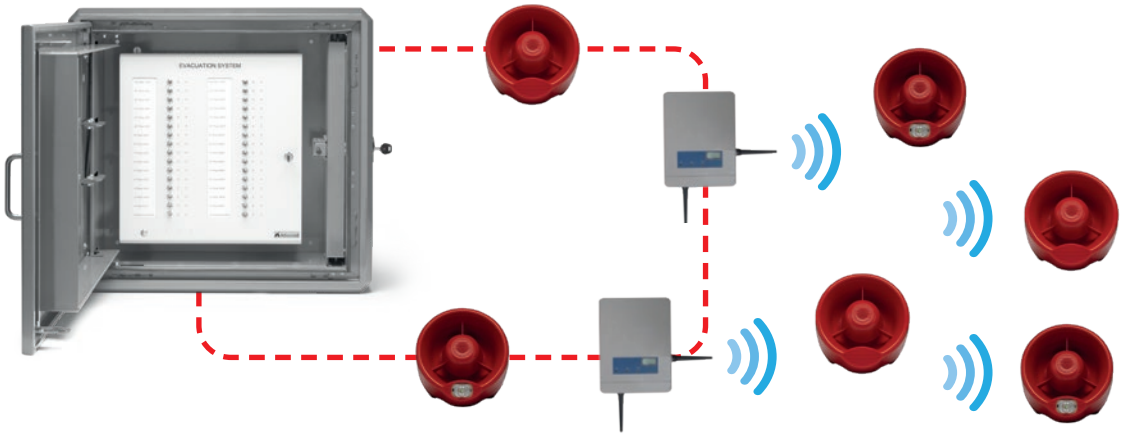
Example of wired evacuation alert system



Example of wireless evacuation alert system



Example of hybrid evacuation alert system



The importance of evacuation alert zones

The design of each EvacGo is based on the number of evacuation alert zones required in the building where it will be used. Why is this important?

Evacuation alert systems are particularly critical in larger and more complex buildings where the fire and rescue service may decide to evacuate all of the flats on one (or more) storey(s) or only one part of a single storey containing many flats.

To support these scenarios, the building needs to be divided into a number of individual evacuation alert zones. This ensures that evacuation alert device status in one evacuation alert zone is independent of the status of evacuation alert devices in all other evacuation alert zones.

By grouping evacuation alert devices in this way, occupants of one evacuation alert zone required to leave the building can be told to do so without alerting occupants in areas required to 'stay put'. To support this ability, it's important that the evacuation alert signal in one evacuation alert zone is not readily audible in any other evacuation alert zone.

Evacuation alert zone recommendations

- Each evacuation alert (EA) zone must operate independently
- The EA signal in one zone must not be readily audible in another
- No EA alert zone should extend beyond a single storey of the building
- A common EA signal should be used throughout all EA zones
- No two-stage EA signals should be given
- The user/purchaser should ensure the fire and rescue service agrees the configuration of EA zones and, where relevant, the appropriate building control body should be consulted too.

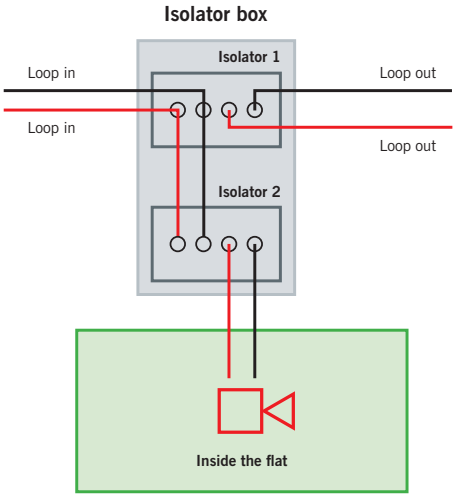
Evacuation alert sounders and audibility

- The EA signal needs to be:
  - clearly distinguishable from any other alarm signal
  - at least 60dB and should be at least 85dB at the doorway of each bedroom (with the door open)
- A single EA device (sounder – with or without visual alert) within each flat will usually be sufficient
- Where additional sounders are needed, a larger number of quieter sounders is preferable to a single very loud sounder
- Wireless audible devices are permitted.

Evacuation alert isolators

- The configuration of the evacuation alert system requires a different approach to that of a normal BS 5839 Part 1 system. Please ensure you have a complete proposal, or ask for guidance
- The addition of two standalone isolators per flat is one way that you can meet the BS 8629 installation requirements.

Commissioning and handover recommendations

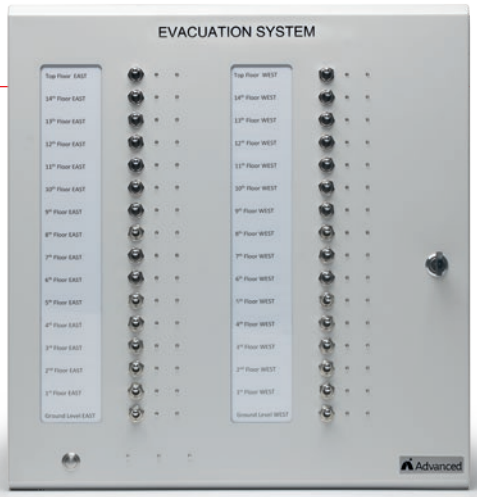


A competent person should commission the system. During commissioning they should check:

- Sound pressure levels in all flats
- All manual controls (toggle switches) and LEDs operate correctly
- There is adequate labelling for each evacuation zone.

Once commissioning is complete, a certificate is issued – signed by the competent person confirming the system's conformity.

Service Tool



Advanced's powerful Service Tool can be used to provide proof of testing at handover and for use on regular testing in line with the Certificate of Performance.

Powerful, flexible service reporting

View a panel's complete device history including when it was installed and last:

- Activated
- Disabled
- Tested
- Enabled.

✓ Provides proof of a panel's status at any given point in time e.g. on commissioning.

✓ All data is stored, so none is overwritten and lost.

Complete device history information includes:

- When a device was created onto the system
- When a device was last tested and last activated.

User-friendly, Windows-based software

Easy-to-create, customised service reports

Choose the data you want to extract from the panel using a wide range of filters.

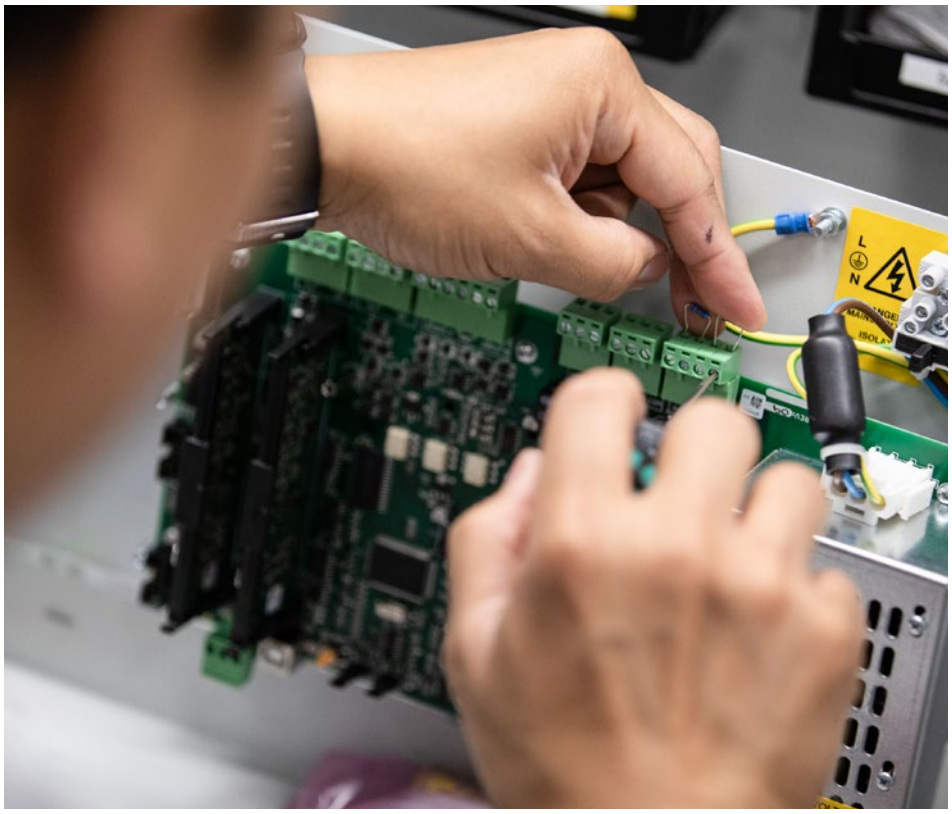
✓ Create completely customised reports in PDF, Excel and HTML formats that are easy to use, send, store and compare.

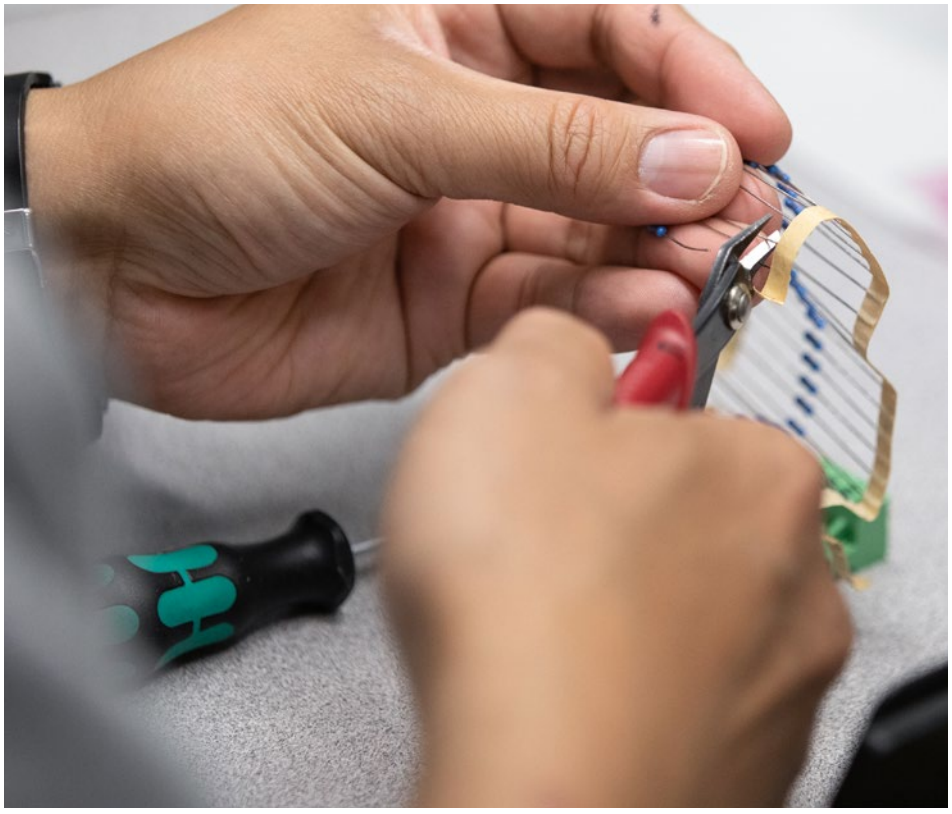
Every evacuation panel is hand built

All our EvacGo panels are built to order in our UK factory by our AdSpecials team of specialist, multi-skilled engineers.

Each team member is highly experienced and pays meticulous attention to detail on every project.

Choosing an Advanced evacuation alert system ensures you're buying a product that has been manufactured and tested to exacting standards, so you can enjoy complete peace of mind that your building is in safe hands.





From temporary ‘simultaneous evacuation’ to ‘stay put’ – with ease

If you’re looking for the safest and most cost-effective way to support a temporary change to a ‘simultaneous evacuation’ strategy in blocks of flats undergoing remedial cladding work, we have the solution.

Replacing combustible external wall systems is now a top priority, but ensuring residents are safe from fire before, during and immediately after remedial work is completed, presents many challenges.

Our approach ensures you’re following the National Fire Chiefs Council recommendations for best practice as well as ensuring easy conversion to the BS 8629 code of practice after the stay put policy is reinstated.

Following agreement with a competent person that installing a ‘common fire alarm’ is the right solution for the building, a BS 5839 Part 1, category L5 fire alarm system should be fitted – before cladding removal starts.

Advanced’s MxPro 5 fire panels are fully compliant with all the required standards and deliver unrivalled performance, quality and ease of use.

Intuitive programming, comprehensive cause and effect, powerful diagnostic features and compatibility with four leading detector protocols bring the highest levels of protection for residents – and peace of mind for you.

Once cladding removal is complete, returning your building to ‘stay put’ status is easy.

As our EvacGo evacuation alert panel is designed using MxPro 5 technology, swapping your fire alarm system to an evacuation alert system couldn’t be simpler – whether you’re using wired, wireless or hybrid devices.

Stay put.

If high fire risk cladding is identified, a stay put policy is no longer suitable

Temporary simultaneous evacuation in place while cladding is removed supported by MxPro 5 automatic fire alarm and detection system

Stay put reinstated after cladding is removed, supported by wired EvacGo system

OR

Stay put reinstated after cladding is removed, supported by wireless EvacGo system

For further guidance or to discuss the specific requirements for your site, contact EvacGo@advancedco.com and we’ll help you to create a fully-compliant solution that seamlessly takes you from ‘stay put’ policy to ‘temporary simultaneous evacuation’ and back again.

Email: EvacGo@advancedco.com

Advanced

MxPro 5 the Unbeatable Multiprotocol Fire Panel

Whatever your fire protection challenge, Advanced brings you unrivalled solutions.

Whether you want to minimise false alarms, integrate with building management systems or remotely monitor networked sites, MxPro 5's high-performance solutions bring you peace of mind that your fire system is actively protecting people and property.

Its intuitive programming, powerful networking, comprehensive cause and effect and unique diagnostic features put you in complete control of your fire protection.

Available in a range of flexible formats and supporting four leading detector protocols, MxPro 5 delivers performance, quality and ease of use.

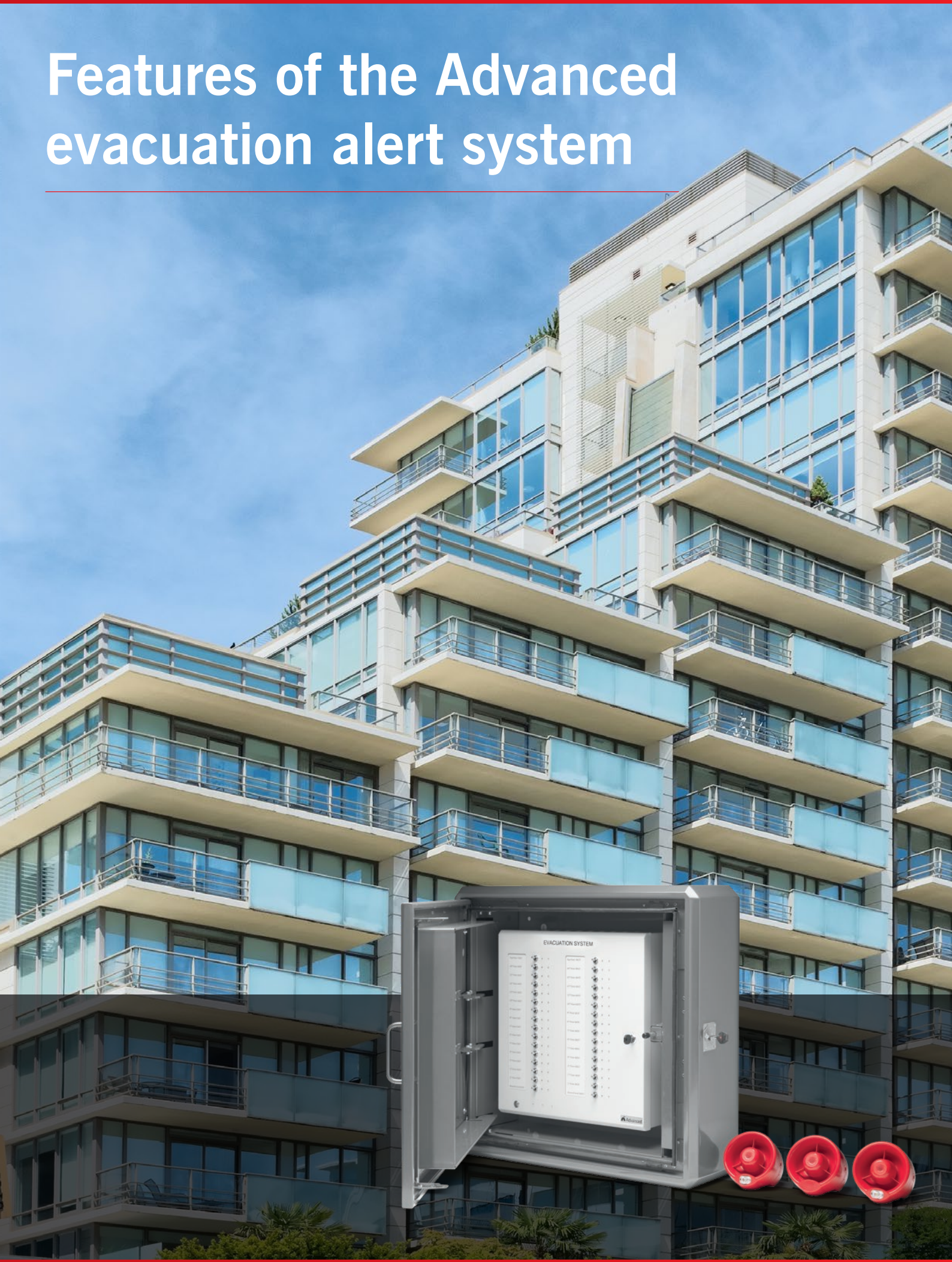
Building a safer future

Advanced – made in the UK. Trusted around the world.

Discover more: advancedco.com | marketing@advancedco.com | +44 (0)345 894 7000

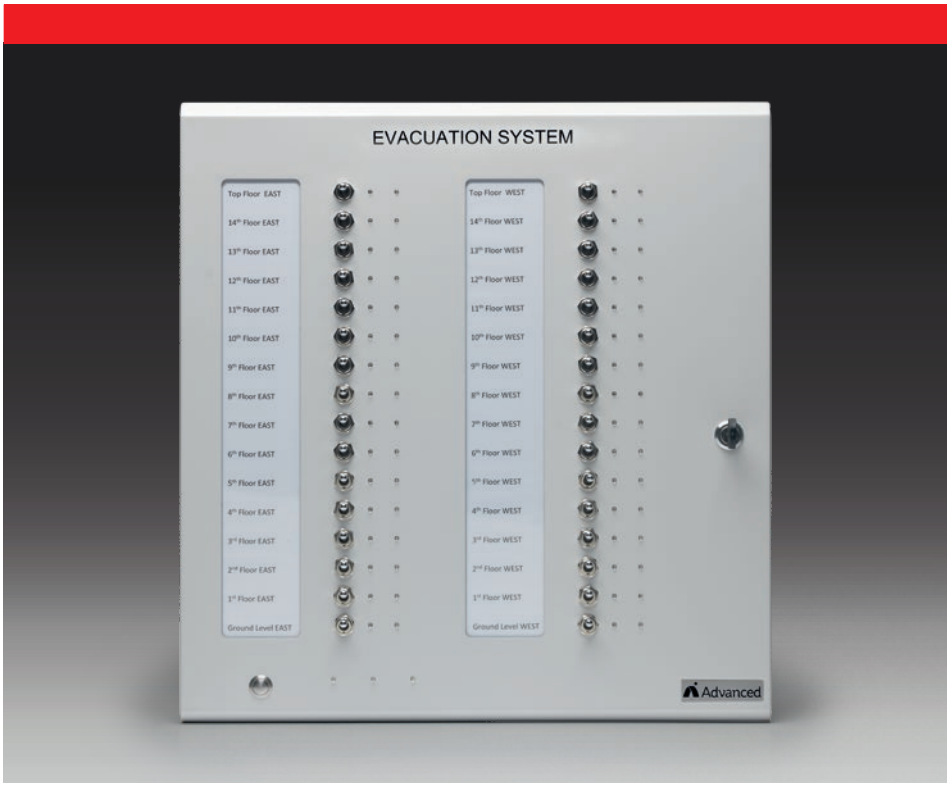
Advanced
The Standard in Fire Systems

Features of the Advanced evacuation alert system



EACIE panel

The EACIE (evacuation alert control and indicating equipment) panel meets BSI's recommended design considerations and is supplied with an STS 205-rated robust steel enclosure (see following page).



The panel is modular in construction and should be sited at an appropriate location suitable for firefighter access.

The panel is supplied with 8, 16, 24 or 32 fire fighter evacuation alert areas as standard, and is fully expandable from 1 to 4 loops.

The panel provides a simple, 'at a glance' overview of which evacuation zones are operating.

The panel has a virtual display which enables the maintenance engineer to work remotely.

All programming and servicing can be undertaken on a laptop connected to the EvacGo panel using Advanced's DynamixTools PC programming software.

Features

- Modular construction
- Can be customised on site if required
- Fully expandable from 1 to 4 loops
- Supplied with 8, 16, 24 or 32 fire fighter evacuation alert areas as standard
- Control panel with latest dual flash-based microprocessor technology
- Robust steel enclosure
- Suitable for a wide range of site applications
- Virtual screen for simple ease of use and remote programming and servicing
- Fully programmable on site.

Enclosure

GERDA®
uniting fire safety & security™

The enclosure box is a locked cabinet which is purpose-made to accommodate the EvacGo panel and to house the necessary equipment. It meets the enclosure security rating STS 205 B3 (4mm steel).

The enclosure has a patented key lock, with the fire and rescue service holding one key and the other key held by the building owner or other responsible person.

Features

- Inner box has space for backup batteries
- Maximum battery size is 2 x 17Ah
- Protected access by fire and rescue service
- 'EACIE: For Fire and Rescue Service Use Only' sign fixed to cabinet door
- Lock cylinder is compliant with BS EN 1303.

Advanced evacuation alert sounders

Open-area conventional wall sounder

Available in red (Axis-CWS) or white (Axis CWS/W). The sounder can be used on its own as a standalone conventional device or as an intelligent unit with the addition of our addressable sounder interface module.

Features

- Maximum sound output 100 dB(A)
- Audible frequency range 440 Hz – 2900 Hz (dependent upon tone selected)
- Approved for outdoor use to EN54-3 (type B)
- 32-tone settings
- Weatherproof to IP65
- High sound-output capability
- Four adjustable volume settings
- Must order with our Intelligent Sounder Interface Module (Axis-WSM) to be addressable – simply insert the module into the base of the beacon
- Extremely low current
- Embedded microphone for self-test facility.

Open-area conventional wall sounder beacon (VAD)

Available in red (Axis-CWSV) or white (Axis-CWSV/W). The sounder beacon can be used on its own as a standalone conventional device or as an intelligent unit with the addition of our addressable sounder interface module.

Features

- Maximum sound output 100 dB(A)
- Audible frequency range 440 Hz – 2900 Hz (dependent upon tone selected)
- Visual alarm device frequency 0.5 Hz
- Approved for outdoor use to EN54-3 (type B) and EN54-23
- 32-tone settings
- Weatherproof to IP65
- High sound-output capability
- Silent sounder setting for beacon-only use
- Four adjustable volume settings
- Must order with our Intelligent Sounder Interface Module to be addressable – simply insert the module into the base of the beacon
- Extremely low current
- Embedded microphone for self-test facility.

Intelligent sounder interface module

The sounder interface module (Axis-WSM) is designed to make the conventional wall sounder (Axis-CWS) and conventional wall sounder beacon (Axis-CWS) addressable and to allow their use on an intelligent loop. The well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and reliability.

Simply mount the back box onto the wall, insert the intelligent sounder interface module into the back box and then fit the sounder on top.

Features

- Flexible modular design
- Easy to install
- Manual and auto addressing options
- Built-in short circuit isolators
- Microphone self-test facility
- Fits the open-area conventional wall sounder and sounder beacon, making them addressable and loop powered.

Handheld programming unit

The handheld programming unit (Axis-PU) allows you to set and read the programmable variables of the devices in your system including the loop address.

When used with the connection lead, you can program/read information from call points and sounders, add loop addresses or program one of the sounder's operating modes.

Features

- Easy to use for all programmable variables from the device range including the loop address
- Select the required device number to program or adjust the device parameters if required
- Built-in keypad and display
- Change the heat detector setting from rate of rise to high temperature
- Read the firmware version of a device and other data
- Clear device display
- Auto shut-off to save battery
- Displays the sensor analogue values
- Includes programming cables for backwards compatibility.

Advanced evacuation isolators

Single relay output module with built-in isolator

The single output module (20-VMMC120-ADV) is loop-powered, designed around a fully digital protocol and provides a fast and secure response. The output channel is monitored and detects open and short circuit conditions. Connections are made using plug-in terminal blocks.

Features

- Built-in short circuit isolators
- Approved to EN54-17
- Auto-addressing capability (by the control panel) or manually using the handheld programming unit
- Digital checking of double address
- Bicolour (red/green) LED driven by the control panel.

Wall mounting single relay output module

The single channel output module (20-VMC120-ADV) is loop-powered, designed around a fully digital protocol. The output is a normally de-energised relay swithed on by a command from the control panel. The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Features

- Short-circuit isolators in each device approved to EN54-17
- Auto-addressing capability (by the control panel) or manually using a handheld programming unit
- Digital checking of double address
- Bicolour (red/green) LED driven by the control panel.

Standalone isolator module

The standalone isolator module (20-LVM100-ADV) provides short circuit isolation for analogue-intelligent loops.

Features

- Designed to operate with Axis EN control panels
- Provides short-circuit isolation for analogue-intelligent loops
- Passive device and does not need to be addressed
- Isolates the adjacent loop section where the short circuit occcurs
- Restores power to the isolated loop section when short circuit is removed
- Complies with EN 54-17.

Frequently asked questions

1. The security of the outer enclosure needs to meet STS205 class BR2 – how are you achieving this?

Advanced has partnered with cabinet specialists Gerda and is using their patented lock meeting BS EN 1303 and box to provide an outer housing to the control equipment.

2. How many evacuation zones can I have?

The Advanced solution is available in 8 / 16 / 24 and 32 zonal configurations. If your building has more than 32 evacuation zones, you will need a second controller.

3. Is there a datasheet available?

Advanced has a full suite of digital information available to download from the website.

4. How do I obtain a quote?

Contact your sales manager to discuss your requirements. We will provide you with a quote based on your specification.

5. The standard was meant for new build, but I've got to look at a retrofit project. What should I be asking to get a price?

Talk to your local building control and fire and rescue service about the evacuation strategy for the building. Their responses will determine the number of evacuation zones you need; the design of individual flats will determine the number of sounders needed for each flat. Review the loop wiring to ensure you can provide 72-hour battery back-up. You may need to use a fault-tolerant network of panels to get the design right.

6. Can Advanced issue me with a template which details the questions I need to ask in order to prepare a specification for the panel(s) I need?

Yes. Please contact your regional sales manager who will be happy to provide you with a template and answer any initial questions you may have.

7. What is the typical delivery time?

As each panel is made to individual specifications, manufacture is estimated to take six to eight weeks from confirmation of specification. Please speak to your regional sales manager for individual delivery estimates.

8. How do I get to access level three to commission/service the system?

This needs to be done via the local terminal mode. Please contact a member of our technical support team if you need support with this.

9. How do I arrange engineer training on the evacuation control panel?

As the system is based on the MxPro 5 control panel, any engineer who has been trained on that system will be competent to use this one. However, a training module is available on EvacGo. Please contact our technical support team about any training needs you may have.

10. Is your BS 8629 solution certified?

The BS 8629 Code of Practice calls for equipment that meets EN54 Parts 2 and 4. While it is not possible to certify a product to a code of practice, the Advanced evacuation control panel is based on the MxPro 5, which not only meets EN54 Parts 2 and 4 but EN54 Part 13 (regarding compatibility of system components) too. The outer housing is tested by Gerda to ensure it meets LPS1175.

11. Whose responsibility is it to consult with the fire and rescue service for each installation?

The Code of Practice Section 5 recommends that the user/purchaser of the system (or an appointed representative of these parties such as the building owner or consultant) consults the FRS prior to the system design stage.

12. If I have more than one panel on site, will each one require its own individual key or can one key fit all?

Each box will have its own key which is specific to the locking mechanism. When you order the boxes, Gerda will issue a key directly to the local fire brigade and building owner. This needs to be considered when placing an order, as the building owner has to be identifiable so that the key can be issued directly.

13. If the main fire control panel is installed out of sight of the main entrance, with a repeat unit located in the main entrance, can the EACIE be installed in the same place as the fire panel?

The EACIE must be installed in a location identified in consultation with the fire brigade and building owner (Code of Practice Section 13e.2.1). Typically, this would be behind the concierge desk so that controls can be readily operated, and indications are readily visible, and in close proximity to the normal fire and rescue service entry point.

14. Can the panels be flush-mounted into the wall and still meet the standard's recommendations?

No. The keylock is side entry to maintain the integrity of the enclosure and locking mechanism provided.

15. Should each installation have a system for the hard of hearing as well?

Potentially yes. In every flat, it should be possible to easily install additional evacuation alert devices for the hearing impaired. This is identified in section 11.2 of the Code of Practice. For example, this could consist of I/O devices or a junction box to which vibrating pads etc. can be connected.

16. Who provides the radio site survey if using a wireless system?

You should contact the supplier of the equipment for a suitable site survey. Any building requiring radio equipment should always be surveyed as best practice.

17. Are there any limitations to the Advanced panel that would mean I need more than one on a particular site?

There is no direct limitation. The EACIE is a modular build and the loops can be expanded according to the size of the building. Additional enclosures can be mounted alongside but should also be in parallel (allowing sufficient access for the key which is side entry) in line with the recommendations (min/max mounting heights).

18. If the FRS key is lost or stolen during servicing how do we replace it without compromising the evacuation panel?

It is important not to lose the key as a potentially expensive replacement may be required. The building owner is responsible for the key. For servicing and maintenance, access to the key will be required in order to gain access to the enclosure. When you order the security enclosure, a key will be issued to the building owner.

19. What size batteries can I fit into the enclosure?

17Ahr batteries can be fitted as standard. However, make sure you do your loop and battery calculations before placing an order, as the EACIE is custom built and any changes after the event could be costly. If the site has a generator, then 24hr standby is required. If not, 72hr standby is required, but this would make a significant impact on your battery back-up and may require a separate battery enclosure mounted local to the EACIE.

20. Can I combine an automatic fire and detection system with an evacuation alert system?

Clause 13.2.3. a states: No fire detection and fire alarm equipment should be connected to the EACIE. E.g. manual call points, fire detectors or fire alarm control and indicating equipment. However, we are often asked if a temporary fire detection and alarm system could be re-configured to be an evacuation alert system and that is permitted, providing it meets clause 13.2.3.

Evacuation alert system training

We offer our direct customers a wide range of training courses, conducted both in person and online.

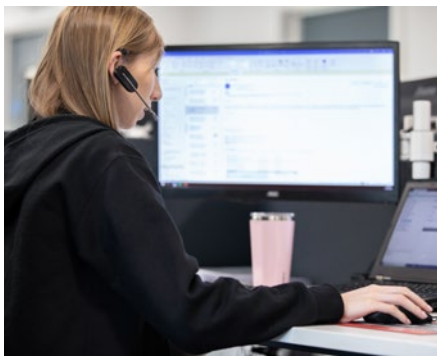
We are now offering a dedicated course on the EvacGo panel which includes the following topics:

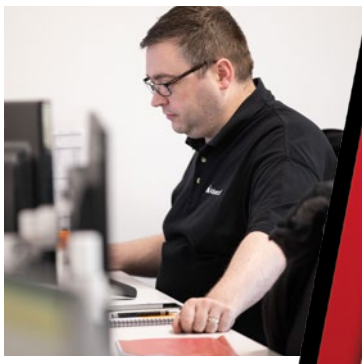
- EvacGo control panels
- Peripheral Bus
- Sounders and isolators
- Installation and maintenance
- PC configuration

For further information or to book your place, please log into your Advanced360 account or contact our technical support team:

Email: tech@advancedco.com Phone: 0345 894 7000

Highly-rated customer support. By telephone and online.





Advanced360

A free Advanced360 account offers total customer care from a team of experienced industry experts and engineers, all based in our head office/ manufacturing facility in Newcastle-upon-Tyne.

Online and telephone support can help with installation or maintenance, fault-finding and any other technical issue.

An account also gives you access to a wealth of online information, from 'how to' videos to datasheets and detailed product manuals. And everyone with an Advanced360 account can benefit from our dedicated monthly newsletter, packed with useful hints and tips.

Services include:

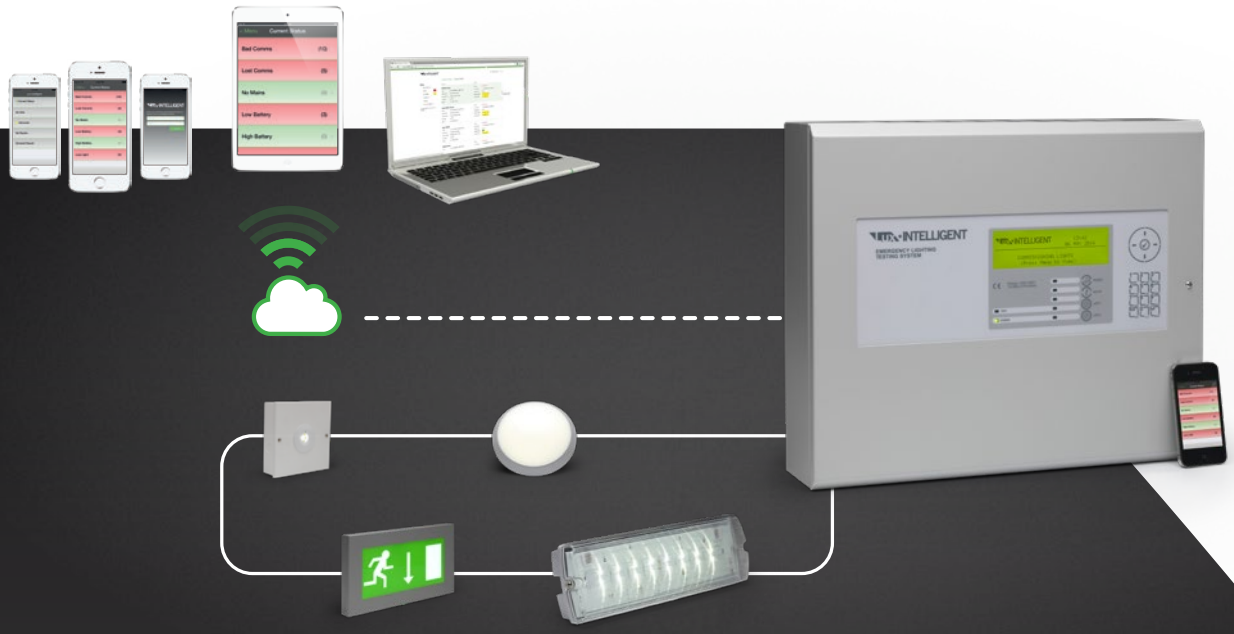
- **Technical support** – available by phone and online during office hours from one of our experienced technical support engineers
- **Support history** – open and view your live support tickets and see your full support history – enabling you to refer back to previous advice where required
- **Training** – view and book training slots (direct customers only), and download your training certificates at any time
- **Software** – download software and save your software packages by installation/site
- **Literature** – download manuals, specifications, approved partner certificates, technical information and more
- **Warranty certificates** – download warranty certificates for your sites.

Sign up now at advancedco.com

Order codes and options

Product Code	Description
SP-8629-08	EvacGo controller c/w 1 loop card expandable to 4 and 8 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-16	EvacGo controller c/w 1 loop card expandable to 4 and 16 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-24	EvacGo controller c/w 1 loop card expandable to 4 and 24 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-32	EvacGo controller c/w 1 loop card expandable to 4 and 32 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-08/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault tolerant network card and 8 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-16/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault tolerant network card and 16 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-24/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault tolerant network card and 24 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-32/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault tolerant network card and 32 evacuation zones including LED indication. Designed to meet BS 8629 including the outer security enclosure meeting STS 205 class BR2
SP-8629-00/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault tolerant network card in a large enclosure with NO display
MXP-502	EvacGo additional loop card
AXIS-CWS	Open area conventional wall sounder - Red (EN54-3)
AXIS-CWS/W	Open area conventional wall sounder - White (EN54-3)
AXIS-CWSV	Open area conventional wall sounder beacon - Red (EN54-3 & EN54-23)
AXIS-CWS/WV	Open area conventional wall sounder beacon - White (EN54-3 & EN54-23)
AXIS-WSM	Addressable sounder interface module (EN54-17)
AXIS-PU	Handheld programming unit
20-LVM100-ADV	Standalone isolator module
20-VMMC120-ADV	Single relay output module with built-in isolator
20-VMC120-ADV	Wall Mounting Single Relay Output Module

LUX INTELLIGENT



IN ADDITION TO OUR EVACUATION ALERT SYSTEM, ADVANCED OFFERS AN ADDITIONAL AID TO SAFE EVACUATION

LuxIntelligent is the emergency lighting system from Advanced.

It saves money, time and makes it so easy to manage a compliant system, you can do it on your phone.

THE EASIEST INSTALLATION	Use existing wiring, or your LAN for a 'no wires' network. Unlimited, low-cost, any-time, networking of panels anywhere via LAN.
FORGET THE PANEL	Cloud monitoring and reporting of any system anywhere in the world, on your computer, phone or tablet. Live status report gives immediate indication of any issues.
LOVES YOUR LIGHTS	Works with almost any light or luminaire, including LEDs. Easy conversion of existing lights.
NO LIMITS	Works with any existing emergency lighting system including central battery.
SAVE TIME & MONEY	Cost and efficiency benefits with automated testing and reporting. One click sharing of maintenance or test reports right from your phone.
PROOF	Full test history available any time. The easy way to demonstrate compliance to BS5266.

Advanced

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