

## FireClass Addressable System is now EN54-13 approved

To: All Customers

From: The FireClass Team

Date: 14<sup>th</sup> January 2014

### Dear Valued customer,

Security and Safety are nowadays taken more and more seriously and the development of architectural design, has made more difficult for traditional fire detection methods to quickly and accurately detect a fire.

Therefore the technology has had to adapt to ensure that modern buildings are adequately protected from fire risk and that no false alarms occur.

In addition to that, the market has been searching for a systems-based approach to fire detection, as opposed to components-based, for some time. Rather than relying solely on each component to provide high levels of protection, the entire system monitors the building and offers a total fire detection solution.

This was driven by both installer and end users, as they needed to know that the system they bought and installed would work seamlessly, without the risk of various suppliers not integrating 100% with other fire equipment on site.



EN 54-13 – Compatibility and integrity assessment of system components – is part of the EN 54 series of Standards dealing with fire detection and alarm systems. This calls for the testing of a system to ensure full functional compatibility of the various components regardless of the manufacturer or brand. It is a standard for system performance rather than a product standard.

EN 54-13 is not a mandated Standard under the CPD (or CPR) so it cannot be used as a basis for CE marking a product or system.



Part 13 contains some technical requirements that are not included in other relevant parts of EN 54 (specifically EN 54-2, -4, 16, -18 and -25) and it is quite possible to find that CE marked fire alarm system components that comply with their relevant EN 54 standard, function fully to their manufacturer's specification and meet all of their manufacturer's compatibility requirements but still do not satisfy EN 54-13.

Therefore it should be noted that in asking for compliance with EN 54-13, a customer, test house or national regulatory body is asking for something over and above the requirements needed to satisfy the CPD / CPR.

The following are the key points from the scope of the standard:

- It specifies the requirements for compatibility and connectability assessment of system components.
- It specifies system design and functional requirements where these are necessary for compatibility.
- It specifies the requirements for the integrity of the fire detection and alarm system when connected to other systems.
- It specifies the test and assessment methods required to show compliance.
- It is applicable to systems where the control and indicating equipment and components are interconnected by electrical wires.
- It may be used for guidance for systems where the control and indicating equipment and components are connected by other means such as radio and optical fibre.

Even if EN54-13 is not a mandate standard it is being increasingly used by Test Houses / Certification Bodies to assess the compatibility of system components, which may be CE marked through compliance with other EN 54 series standards.

System compatibility approval is used in several European regions (including Belgium, Germany and The Netherlands) as part of the requirement for approval of a commercial installation.

Additionally some European states are calling for fire alarm components such as, control and indicating equipment, detectors, notification devices etc. to be third party tested for compatibility and certified to EN54-13 before entry into the market is allowed; and the number of states with this requirement is expected to grow.

As a Leading company in Fire Detection FireClass has already pushed it's approvals beyond the minimum requirements and now a new important step forward is done! FireClass has just achieved the EN54-13 approval so now the FireClass Addressable panels, together with detectors, callpoints, modules and sounders are now approved as a system and not just as a sum of components.

This is a rare achievement for an Open Protocol system. Most Open Protocol systems are made up from a group of components from different manufacturers, brought together on an install. Therefore it is difficult to co-ordinate and achieve part-13 approval for this type of an approach.

By insisting or specifying Fireclass products you give both the end user and installer maximum choice and maximum certification, at competitive market price. For once there is just positive without the negatives!

If you'd like more information in Part-13, or Fireclass in general then please get in touch with our team. They will be happy to send information, talk on the phone, or visit in person.

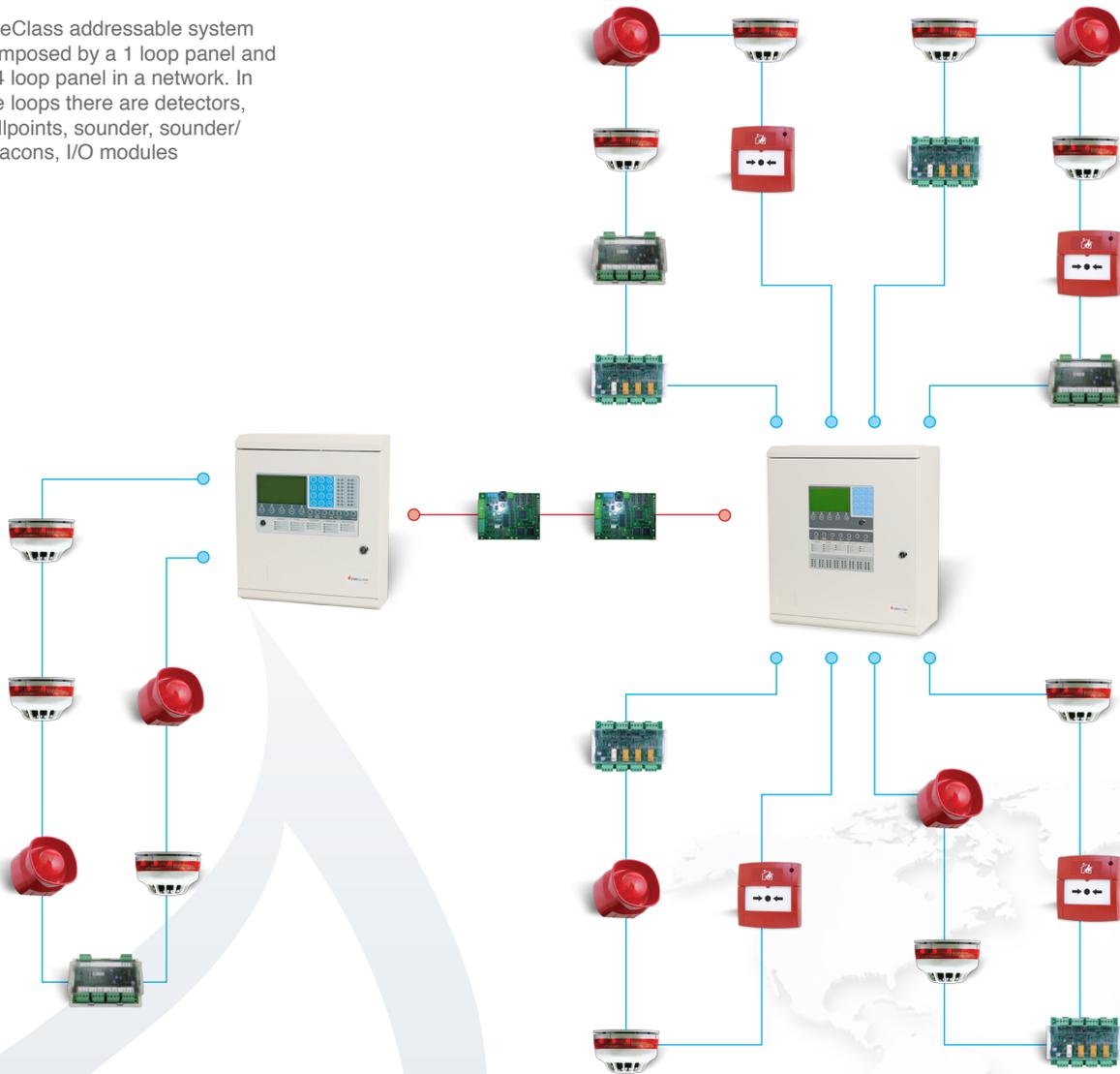
Kind Regards,  
**FireClass Team**

### FireClass products with EN54-13 system approval

Part Number	Product Description
516.460.502	FC460P Photo Detector
516.460.503	FC460H Heat Detector
516.460.501	FC460PH Photo Heat Detector
516.460.504	FC460PC Triple Sensor
514.800.803	FC420CP INDOOR CALLPOINT
514.800.804	FC421CP OUTDOOR CALLPOINT
517.050.043	4B-I Isolator Base
555.800.773	FC410QRM QUAD RELAY MODULE
555.800.771	FC410QIO QUAD I/O MODULE
555.800.770	FC410QMO QUAD MONITORED O/P
516.800.760	FC410LPSYR Sounder (Red)
516.800.761	FC410LPSYW Sounder (White)
516.800.762	FC410LPSY Sounder (Red)IP65
516.800.763	FC410LPAVR Sounder/Beacon (Red)
516.800.764	FC410LPAVW LP SNDR/BEACON WHITE
516.800.766	FC410LPAV Sounder/Beacon (Red)IP65
516.800.710	FC430SB Loop powered sounder base not addressable
516.800.757	FC430LPSB LP SOUNDER BASE
516.800.758	FC430LPASB LP SNDR/BEACON BASE
557.200.701	Fireclass FC32-1 Loop panel
557.200.702	Fireclass FC64-2 Loop panel
557.200.703	Fireclass FC64-4 Loop panel
557.200.704	Fireclass FC240-2 Loop panel
557.200.705	Fireclass FC240-4 Loop panel
557.202.080	TLI800EN EN54 approved network card

## Example of a FireClass EN54-13 Approved Addressable system

FireClass addressable system composed by a 1 loop panel and a 4 loop panel in a network. In the loops there are detectors, callpoints, sounder, sounder/beacons, I/O modules



**FireClass locations:**

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Cinderbank, Dudley  
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United Kingdom

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Grimshaw Lane  
Newton Heath  
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