

855 and 835 Series

Generation 6

The 855 and 835 series fire detectors are designed to be both adaptable and flexible which means they can be used in most premises to protect against a wide range of potential fire risks.

They use sophisticated digital signalling to communicate with the MZX Technology fire control panel. With a range of bases and accessories, they are quick and easy to install. In addition to the standard colour shown, black detector covers and bases are also available to either blend into a dark ceiling or be easily spotted against a contrasting background. System designers can choose between a built-in line isolator with the 855 series, or may use an isolator base with the 835 series.



Features

- Choice of heat, optical, optical and heat multi-sensor or 3oTec triple multi-sensor
- Advanced multi-sensor designs
- Built-in line isolator 855 Series
- Quick and easy to install
- Extended drift compensation
- Fire, isolate and fault LED indications
- Comprehensive range of bases and base accessories

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855PH and 835PH Photo Heat Detector

With the ability to detect a wide range of fires from flaming to smouldering types, the combined optical and heat multi-sensor detector is the preferred choice for a range of applications including light industrial, retail and office environments. It operates in a number of approved modes and sensitivities that can be dynamically selected to suit different environmental conditions.

855P and 835P Photo Detector

More benign environment where any potential fire will be slow burning can be protected using the optical detector. A choice of sensitivities and modes gives this detector a broad range of applications.

855H and 835H Heat Detector

To compliment the range the heat sensor can operate in fixed temperature and rate-of-rise modes with a number of approved sensitivities. Most often used in areas where high levels of dust are present or where the environment precludes the use of smoke detectors.

855PC and 835PC 3oTec Triple Sensor Detector

For life protection and when the environmental conditions are challenging, the 3oTec detector provides the ultimate in detector performance and false alarm rejection. It is a multi sensor that monitors smoke, heat and CO levels in concert to accurately determine the presence of fire. Applications include industrial, retail, transport hubs and healthcare. Its false alarm rejection properties make it the ideal choice for hotel bedrooms where steam from bathrooms is a common source of false alarms.



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Detector Bases

The detector bases are designed to snap-fit to the ceiling tile adaptor or can be screw fixed to a ceiling or electrical box in the traditional manner. A park position allows the detector to be mechanically attached to the base without making electrical connection to facilitate the testing of electronic free bases.

4B-C 4" Continuity Base

Use with 855 Series detectors that have built in line isolator. The 4B-C base provides continuity when the detector is removed.



4B 4" Detector Base

Use this base with 835 Series detectors when short circuit isolation is not required.



4B-I 4" Isolator Base

Use the 4B-I base with 835 Series detectors to provide local short circuit isolation.



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Detector Base Accessories

A number of ingeniously designed detector base accessories combine to cut installation time, enhance the installed appearance and mechanically protect the installation.



Ceiling Tile Adaptor CTA

The CTA is used to fix detectors to suspended ceilings and allows the detector to be commissioned and tested before the ceiling is fitted. It can cut the total installation time by 30%.



CTA Adapter Plate

When beacon bases or sounder bases are fixed to the CTA, the adaptor plate is required to provide standard electrical box fixings.



Euro Mount

For surface cable and mini trunking installations, the Euro Adaptor provides a shallow back-box onto which the detector base is fitted.



Deckhead Mount

The deckhead mount provides an IP55 seal between the mount and the detector base to provide superior environmental protection.



Base 6" Adaptor

For use with U.S. style 6" electrical back boxes or can be fixed directly to a ceiling and used to conceal marks left when older, large diameter detectors are replaced.



Approvals

855PH / 835PH: EN54-5 and EN54-7, CPD, VdS Type & System Approval, CEA4021

855P / 835P: EN54-7, CPD, VdS Type & System Approval

855H / 835H: EN54-5, CPD, VdS Type & System Approval

855PC / 835PC: EN54-5 and EN54-7, CPD, VdS Type & System Approval, VdS2806, CEA4021

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Technical specifications

	Dimensions mm	Weight g	Operating Temp.	Relative Humidity
855PH Photo heat detector	Dia. 109 x 43H	76	-25°C to +70°C	95% (non condensing)
855P Photo detector		76	-25°C to +70°C	
855H Heat detector		81	-25°C to +70°C short-term: to +90°C	
855PC 3oTec detector		94	-10°C to +55°C	
835PH Photo heat detector		76	-25°C to +70°C	
835P Photo detector		76	-25°C to +70°C	
835H Heat detector		81	-25°C to +70°C, short-term: to +90°C	
835PC 3oTec detector		94	-10°C to +55°C	
4B-C 4" Continuity Base	Dia. 109 x 23.3H	53	-25°C to +70°C (+90°C for short periods)	
4B 4" Detector Base		48		
4B-I 4" Isolator Base		60		
Ceiling Tile Adaptor CTA	Dia. 165 x 51.5 H	232		
CTA Adapter Plate	Dia. 114.5 x 7.5 H	40		
Euro Mount	Dia. 110.4 x 20 H	70		
Deckhead Mount	Dia. 147.5 x 41.5 H	288		
Base 6" Adaptor	Dia. 150.7 x 16.5 H	50		

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Ordering Information

516.855.051	855PH Photo Heat Detector
516.855.052	855P Photo Detector
516.855.053	855H Heat Detector
516.855.054	855PC 3oTec Triple Sensor Detector
516.835.051	835PH Photo Heat Detector
516.835.052	835P Photo Detector
516.835.053	835H Heat Detector
516.835.054	835PC 3oTec Triple Sensor Detector
517.050.041	4B 4" Detector Base
517.050.042	4B-C 4" Continuity Base
517.050.043	4B-I 4" Isolator Base
517.050.060	Ceiling Tile Adaptor
517.050.058	CTA -AP CTA Adaptor Plate
517.050.052	4B-EM 4" Euro Mount
517.050.054	4B-6A 4" to 6" Base Adaptor
517.050.051	4B-DHM Deckhead Mount
517.050.055	4B-DAF 4" Base DIN Address Flag
516.800.915	Standard Address Flag
517.050.511	Black Pantone Hexachrome Black C (Matt) pack of 10 cover and base