



Esmi EN 54 SLC Fire Range Product Catalogue

Catalogue 5/2020

Esmi Sense FDP and SLC devices
SLC Fire Range EN 54 product catalogue



www.se.com

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Our Company

Schneider Electric Fire & Security Oy is the leading specialist, manufacturer and developer of fire detection and security systems in Nordic and Baltic countries and has 80 years of experience in the security and safety business.

Schneider Electric Fire & Security Oy is part of Schneider Electric, a global specialist in energy and security management with operations in more than 100 countries and 150.000 plus employees.

Schneider Electric Fire & Security Oy operates in nearly 15 countries in Europe and is continuously expanding business all around the world.

More information about our products in [Fire and Security | Schneider Electric](#)



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Schneider Electric knowhow is recognised around the world. Fire detection system is certified in accordance with standards EN 54 and UL 864.



Schneider Electric is a member of Euralarm, an association of European manufacturers and installers of fire and security systems, and participates also in international standardisation work.



Product Families



Esmi Sense FDP Panel

Schneider Electric has launched the new Esmi Sense fire detection panels. Together with EcoStruxure Fire Expert application, Esmi Sense FDP is the first real online Fire Detection Solution. With Fire Expert, user can online monitor and manage their fire systems with PC, smartphone, or tablet anytime anywhere. Esmi Sense FDP fire detection panels are available in three different models covering small to large applications. Full range of detectors can be connected to the system.

EcoStruxure Fire Expert

To meet the challenges of today and the future, Schneider Electric offers new innovative online applications. From now on, with EcoStruxure Fire Expert, one can monitor the different Esmi Sense FDP fire detection systems on smartphone or other mobile devices. The system is based on a cloud computing model, providing easy and secure access to fire systems information wherever you are.

SLC Devices

The wide range of high quality SLC devices are compatible with Esmi Sense FDP Fire Panels. The fire range includes addressable devices with SLC protocol and conventional devices. The range consist of modules, detectors, manual call points, bases and alarm devices.

EcoStruxure Fire Expert- Sitereeving made Smarter

The Internet of Things (IoT), internet connectivity and cloud computing, is transforming how we live and work—and at an unprecedented scale.

To meet the challenges of today and the future, Schneider Electric offers new innovative online applications. From now on, with EcoStruxure Fire Expert, one can monitor the different Esmi Sense FDP Fire detection systems on smartphone or other mobile devices. The system is based on a cloud computing model, providing easy and secure access to fire systems information wherever you are. This saves time in maintenance and operations. In addition, business risks are reduced with better predictability.

Esmi Sense FDP and EcoStruxure Fire Expert online solution let you optimize efficiency in your business. Specifically, solution helps to make fact-based decisions and enhances your time-consuming operations. You will always know the current situation in each location. The situational awareness also reduce your business risks.

The Esmi Sense FDP fire detection panel together with Fire Expert is a revolutionary online solution that will change the way you work.

EcoStruxure™
Innovation At Every Level





Esmi Sense Edition

Esmi Sense FDP Fire Detection Panel

The Esmi Sense family is an intelligent, addressable and networked fire detection system. Together with EcoStruxure Fire Expert software, Esmi Sense FDP is the first real Online Fire Detection Solution. With Fire Expert, user can online monitor and manage their fire systems with PC, smartphone or tablet anywhere at any time. Esmi Sense FDP fire alarm panels are available in three different models covering small to large applications. A Full range of detectors can be connected to the system.

Esmi Sense FDP fire detection panel is for all types of buildings - small, medium and large. All panels are CPR certified and comply with European standards EN 54-2 and 4. Esmi Sense FDP is a winner of reddot design award in 2019.

The FDP Family

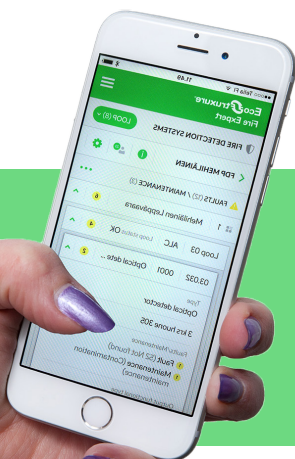
- 3 different panel versions
- Can be networked up to 32 panels.
- Seeing – Visible hierarchy gives free choice of “master – slave”
- Modularity construction

FDP has 2 to 8 INTELLIGENT detection loops

- All devices are continually communicating with FDP control panel
- Communication contains device type-, detection algorithms and sensor status information
- Each device can be individually disabled
- Detection algorithms and other parameters can be separately changed to each detector with configuration software
- FDP can have 2 to 8 intelligent detection loops



reddot design award
winner 2019



Info and Auxiliary products



FX101S Sense Fire Detection Panel is a stand alone powerful one loop fire detection control panel for SLC compatible intelligent detectors.



MPO Sense Multi Protocol Converter operates as an interface between the info communication protocol and defined external protocols.



FMP Sense Fireman's Panel functions as pure display device or it is used to silence and reset the fire alarm.



REP Sense Protocol Repeater duplicates the info serial communication line.



MCO Sense Multi Logic Control Unit can control addressable outputs, control panel outputs, OC100R and OC100L outputs.



DAP Sense Delay Alarm Panel is used for handling delayed fire alarms.



ZLPX Sense Zone LED Panel panel is used for fire brigade as primary information source of the place of alarm in the building.



EN 54 offering

Fire Detection Panels

Esmi Sense FDP



Esmi Sense FDP221 is a small size panel, which is compatible with other Esmi fire detection equipments.

Esmi Sense FDP221 Fire Detection Panel

Technical data	
Product number	FFS00703910xx Datasheet: www.se.com
Dimensions	360 x 430 x 142 mm
Weight	6.6 kg
Operating temperature	+5...+40 °C
Modular construction	2 free slots
Batteries	2 x 12Ah 12V
IP rating	IP30
Standards	EN 54-2, EN 54-4

xx= Panel language eg. GB= English



Esmi Sense FDP252 is a medium size panel, which is compatible with other Esmi fire detection equipments.

Esmi Sense FDP252 Fire Detection Panel

Technical data	
Product number	FFS00703920xx Datasheet: www.se.com
Dimensions	580 x 430 x 142 mm
Weight	10.6 kg
Operating temperature	+5...+40 °C
Modular construction	5 free slots.max (4 loop controllers)
Batteries	2 x 17Ah 12V
IP rating	IP30
Standards	EN 54-2, EN 54-4

xx= Panel language eg. GB= English



Esmi Sense FDP292 is a large size panel, which is compatible with other Esmi fire detection equipments.

Esmi Sense FDP292 Fire Detection Panel

Technical data	
Product number	FFS00703930xx Datasheet: www.se.com
Dimensions	580 x 430 x 142 mm
Weight	11.1 kg
Operating temperature	+5...+40 °C
Modular construction	9 free slots.max (4 loop controllers)
Batteries	Separate battery cabinet required
IP rating	IP30
Standards	EN 54-2, EN 54-4

xx= Panel language eg. GB= English

EN 54 offering

Fire Detection Panels

Esmi Sense Info and Auxiliary products



FX101S is a powerful stand alone one loop fire detection control panel. The number of detection loops- or Input/Output controllers cannot be extended. The panel is compatible with other Esmi Sense fire detection equipment. One addressable detection circuit with 159 addresses. Compatible with SLC devices.



The MCO Sense Multi Logic Control Unit can control addressable outputs, control panel outputs, OC100R and OC100L outputs. Can be connected to Esmi Sense FDP and FX 3NET panels. FDP- panel must have an additional Info Line Option Board 1xRS485 FFS00702523 to communicate with this device.



The REP Sense Protocol Repeater duplicates the INFO serial communication line. Can be connected to Esmi Sense FDP and FX 3NET panels. FDP- panel must have an additional Info Line Option Board 1xRS485 FFS00702523 to communicate with this device.

FX101S Sense Fire Detection Panel

Technical data

Product number	FFS00703803xx Datasheet: www.se.com
Dimensions	328 x 425 x 130 mm
Weight	5.4 kg
Operating temperature	+5...+40 °C
Batteries	2x12Ah 12V
IP rating	IP30
Standards	EN 54-2 and EN 54-4

xx= Panel language eg. GB= English

MCO Sense Multi Logic Control Unit

Technical data

Product number	FFS00703854 Datasheet: www.se.com
Dimensions	379 x 231 x 54 mm
Weight	2,1 kg
Operating temperature	+5...+40 °C
Operating voltage	24Vdc
IP rating	IP30
Serial communication ports	In: RS485 or RS232 Isolated Out: RS485, RS232

REP Sense Protocol Repeater

Technical data

Product number	FFS00703848 Datasheet: www.se.com
Dimensions	379 x 231 x 54 mm
Weight	2,1 kg
Operating temperature	+5...+40 °C
Operating voltage	24Vdc
IP rating	IP30
Serial communication ports	In: RS485 or RS232 Isolated Out: RS485

EN 54 offering

Fire Detection Panels

Esmi Sense Info and Auxiliary products



The FMP Sense Fireman's Panel is used in fire brigade as a primary information source to announce the place of alarm in the building. The panel can function as pure display device or it can be used to silence and reset the fire alarm. FDP- panel must have an additional Info Line Option Board 1xRS485 FFS00702523 to communicate with this device.



The DAP Sense Delay Alarm Panel is used for handling of delayed fire alarms. The DAP panel shows "normal" fire alarms too but does not allow any user operations except scrolling. The delay alarm function is configured in the Esmi Sense FDP panel. FDP- panel must have an additional Info Line Option Board 1xRS485 FFS00702523 to communicate with this device.



The MPO Sense Multi Protocol Converter operates as an interface between the Info communication protocol and defined external protocols. FDP- panel must have an additional Info Line Option Board 1xRS485 FFS00702523 to communicate with this device.

FMP Sense Fireman's Panel

Technical data	
Product number	FFS00702606 Datasheet: www.se.com
Dimensions	379 x 233 x 54 mm
Weight	2,35 kg
Operating temperature	+5...+40 °C
Operating voltage	24Vdc
IP rating	IP30
Serial communication ports	In: RS485 Out: RS485 Service: RS232 or USB

DAP Sense Delay Alarm Panel

Technical data	
Product number	FFS00702607 Datasheet: www.se.com
Dimensions	379 x 233 x 54 mm
Weight	2,35 kg
Operating temperature	+5...+40 °C
Operating voltage	24Vdc
IP rating	IP30
Serial communication ports	In: RS485 or RS232 Out: RS485 Service: RS232 or USB

MPO Sense Multi Protocol Converter

Technical data	
Product number	FFS00703853 Datasheet: www.se.com
Dimensions	379 x 233 x 54 mm
Weight	2,1 kg
Operating temperature	+5...+40 °C
Operating voltage	24Vdc
IP rating	IP30
Serial communication ports	In: RS485 or RS232 Out: RS485 Isolated: RS485 or RS232

EN 54 offering

Fire Detection Panels

Esmi Sense Info and Auxiliary products



The ZLPX Sense Zone LED panel is used for fire brigade as primary information source of the place of alarm in the building. The panel can function as pure display device showing zone specific fire place. The ZLPX Sense can be connected to the Esmi Sense FDP panels: FDP221, FDP252 and FDP292.

ZLPX Sense Zone LED panel

Technical data

Product number	FFS00703849 Datasheet: www.se.com
Dimensions	328 x 417 x 79 mm
Weight	5kg
Operating temperature	+5...+40 °C
Operating voltage	19...30VdC
IP rating	IP30
Serial communication ports	In: RS485 and RS232 Out: RS485

Mounting cabinets and shelves

Product number	Cabinets
FDP Mounting cabinet 252/292 FFS00703958 Dimensions: 580 x 430 x 142 mm	
FDP Mounting cabinet 221 FFS00703959 Dimensions: 360 x 430 x 142 mm	
SLC module frame for mounting cabinet FFS00703965	

Find out more: www.se.com

EN 54 offering

Fire Detection Panels

Esmi Sense frames and modem

Flush Mounting Frames

Technical data

Flush mounting frame FDP221

FFS00703962

Dimensions: 510 x 85 x 475 mm



Flush mounting frame set FDP221

FFS00703960

Dimensions: 510 x 85 x 475 mm



Flush mounting frame FDP252/292

FFS00703963

Dimensions: 510 x 30 x 635 mm



Flush mounting frame set FDP252/292

FFS00703961

Dimensions: 510 x 30 x 635 mm

Find out more: www.se.com

Modem

Technical data

FDP Built In 3/4G modem without SIM

FFS00702580

Modem is used to connect Esmi Sense FDP Fire Alarm Panel to Internet. SIM card needs to be bought separately.





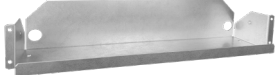
Find out more: www.se.com

EN 54 offering

Fire Detection Panels

Esmi Sense Battery cabinets

Battery and Chart cabinets

Product number	Cabinets
Esmi Battery cabinet FDP 4 x 17 Ah FFS00704630 Dimensions: 580 x 430 x 142 mm	
Esmi Battery cabinet FDP 4 x 12 Ah FFS00704620 Dimensions: 360 x 430 x 142 mm	
Esmi Chart cabinet FDP A3 FFS00704650 Dimensions: 580 x 430 x 142 mm	
Esmi Chart cabinet FDP A4 FFS00704640 Dimensions: 360 x 430 x 142 mm	
Esmi Chart cabinet FDP Shelf FFS00704652	

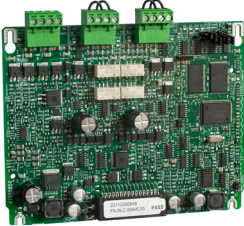
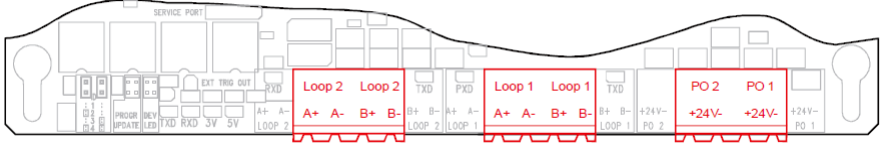
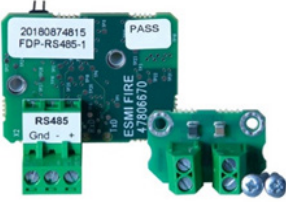



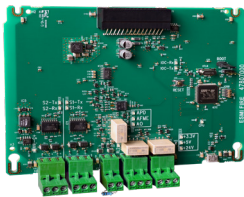
Find out more: www.se.com

EcoStruxure Fire Expert Licenses

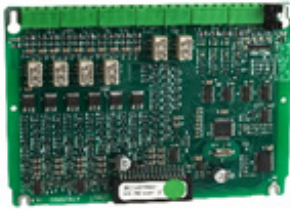
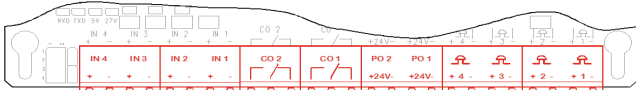
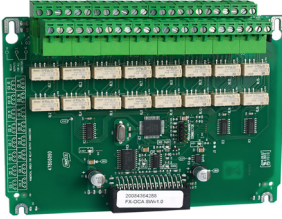
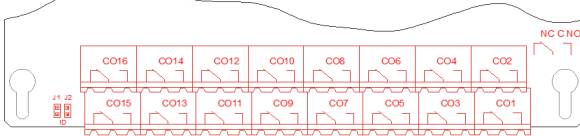




Technical data	
Fire Expert system view license	FFS00704002
Push Notifications license	FFS00704003
Commission & testing license	FFS00704004
Maintenance license	FFS00704005
Configuration License	FFS00704010
Orientation Map monthly fee	FFS00704006

Find out more: www.se.com

EN 54 offering Expansions

		Description	Dimensions (mm) height x width x depth	Weight	Panel
<p>FX-SLC/SLC FFS00702511</p> <p>2 addressable loops for SLC series products. 159 (detectors) + 159 (modules) addresses/loop. 2x24Vdc 500mA monitored output. Max. 60 Ω loop cable resistance.</p>		<p>Loop controller FX-SLC/SLC (For FDP and FX 3NET Panels)</p>	160x135x20 mm	169 g	Bus board
<p>External connections FX-SLC</p>					
<p>Info Line Option Board 1xRS485 FFS00702523</p> <p>FDP Option Board when RS485 info communication is needed.</p>		<p>Info Line Option Board</p>	215 x 160 x 55 mm	125g	
<p>FXCOMM Option Board 2xRS485 FFS00702524</p> <p>FDP Option Board when FX/FDP networked communication is needed.</p>		<p>FXcomm Option Board</p>	215 x 160 x 55 mm	150g	
<p>FX-CLC FFS00702512</p> <p>16 conventional loops. EOL 4k7 or 2k94</p>		<p>Loop controller for FDP and FX 3NET panels</p>	160 x 135 x 33 mm	215 g	Bus board
<p>External connections FX-CLC</p>					
<p>Assistant processor for networked FDP (APU) (Coming in Fall 2020) FFS00703957</p>		<p>Assistant processor for FDP</p>			

EN 54 offering Expansions

		Description	Dimensions (mm) height x width x depth	Weight	Panel connection
FX-IOC FFS00702530 4 clean contact inputs. 2 clean contact outputs 30Vdc 1A max 4 alarm device lines 500mA each. 2x24Vdc 500mA monitored output.		Input output controller for FDP and FX 3NET panels	160 x 135 x 18 mm	174 g	Bus board
External connections FX-IOC					
FX-OCA FFS00702531 16 clean contact outputs max 30Vdc 1A		Output controller for FDP and FX 3NET panels	160 x 135 x 33 mm	232 g	Bus board
External connections FX-OCA					
REPX-OB FFS00703833 Duplication of the INFO communication line. Input port: RS485 or RS232. Output port: RS485. External port: RS485 or RS232. External port is isolated		Protocol repeater for FDP and FX 3NET panels	160 x 135 x 18 mm	158 g	Bus board
External connections REPX-OB					
MCOX-OB FFS00703835 Logic controls. Input port: RS485 or RS232. Output port: RS485. External port: RS485 or RS232. External port is isolated		Loop control unit for FDP and FX 3NET panels	160 x 135 x 18 mm	158 g	Bus board
External connections MCOX-OB					

Find out more: www.se.com

EN 54 offering

Linear Heat Detector Cables



Linear Heat Detector Cable HDC68 is used to monitor abnormal heat up to 68 °C alarm level. The cable can be ordered in 200 meter coils.

Linear Heat Detector Cable HDC68

Technical data	
Product number	FFS06435133 Datasheet: www.se.com
Outer Diameter	4.5 mm
Lenght	200m coil
Weight	25 kg/km
Max ambient temperature	40 °C
Alarm temperature	68 ±3 °C



Linear Heat Detector Cable HDC105 is used to monitor abnormal heat up to 105 °C alarm level. The cable can be ordered in 200 meter coils.

Linear Heat Detector Cable HDC105

Technical data	
Product number	FFS06435135 Datasheet: www.se.com
Outer Diameter	4.5 mm
Lenght	200m coil
Weight	25 kg/km
Max ambient temperature	60 °C
Alarm temperature	105 ±5 °C



Linear heat detection junction boxes are used when the required serial- and EOL-resistors are connected to the stiff linear heat detection cable.

Linear Heat Detector Cable junction box

Technical data	
Product number	FFS00703903 Find out more: www.se.com
Dimensions	90 x 90 x 40 mm
Weight	60 g



Linear heat detector cable fastener T-Clip. Ordered in 200pcs packages.

Linear Heat Cable Fastener T-Clip

Technical data	
Product number	FFS06435137 Find out more: www.se.com
Dimensions	32 x 15 x 26 mm
Weight	1.60 g

EN 54 offering

Detectors

Addressable AP200 Detectors



The ESMI 22051EI Photo-Electric Smoke Detector's chamber design, reduces sensitivity changes by settling dust and false alarms resulting from insect ingress and other debris. The plug-in unit processing circuit's smoothing filters eliminates transient environmental noise conditions. Contains isolator.



The ESMI 22051E Photo-Electric Smoke Detector's chamber design, reduces sensitivity changes by settling dust and false alarms resulting from insect ingress and other debris. The plug-in unit processing circuit's smoothing filters eliminates transient environmental noise conditions. . No Isolator.



The ESMI 22051TEI photo-thermal detector uses thermal assistance to the core photoelectric smoke detector to give enhanced false alarm immunity and faster response to a wide range of incipient fires. The plug-in unit combines two separate heat sensing elements that are managed by embedded software to act as a single unit. Contains isolator.

Optical Smoke Detector with Isolator ESMI22051EI

Technical data

Product number	FFS06710601 EAN: 6430030844956 Datasheet: www.se.com
Dimensions	52 mm x 102 mm
Weight	97 g
Operating temperature	-30°C to 70°C
IP rating	IP40 (IP42 with WB-1 wet base)
Standards	EN 54-7, EN 54-17

Optical Smoke Detector ESMI22051E

Technical data

Product number	FFS06710602 EAN: 6430030844963 Datasheet: www.se.com
Dimensions	52 mm x 102 mm
Weight	97 g
Operating temperature	-30°C to 70°C
IP rating	IP40 (IP42 with WB-1 wet base)
Standards	EN54-7

Photo-Thermal Detector with Isolator ESMI22051TEI

Technical data

Product number	FFS06710603 EAN: 6430030844970 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	99 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN 54-5, EN 54-7

EN 54 offering

Detectors

Addressable AP200 Detectors



The ESMI 22051TE Photo-Thermal detector uses thermal assistance to the core photoelectric smoke detector to give enhanced false alarm immunity and faster response to a wide range of incipient fires. The plug-in unit combines two separate heat sensing elements that are managed by embedded software to act as a single unit. No isolator.



The ESMI 22051TLEI Multi-Criteria, Photo-Thermal infra Red (PTIR) detector is the environmentally friendly alternative to the ionisation detector. The "PTIR" offers comparable speed of response to the ionisation technology for a fast flaming fire and is less susceptible to false alarms. Contains isolator.



The ESMI 22051TLE Multi-Criteria, Photo-Thermal infra Red (PTIR) detector is the environmentally friendly alternative to the ionisation detector. The "PTIR" offers comparable speed of response to the ionisation technology for a fast flaming fire and is less susceptible to false alarms. No isolator.

Photo-Thermal Detector ESMI22051TE

Technical data

Product number	FFS06710604 EAN: 6430030844987 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	99 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN 54-5, EN 54-7

Multi-Criteria Detector 3 Element with Isolator ESMI122051TLEI

Technical data

Product number	FFS06710605 EAN: 6430030844994 Datasheet: www.se.com
Dimensions	63 mm x 102 mm
Weight	102 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1R, EN54-7, EN54-17, CEA4021

Multi-Criteria Detector 3 Element ESMI22051TLE

Technical data

Product number	FFS06710606 EAN: 6430030845007 Datasheet: www.se.com
Dimensions	63 mm x 102 mm
Weight	102 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1R, EN54-7, CEA4021

EN 54 offering

Detectors

Addressable AP200 Detectors



The ESMI 2251CTLE-White plug-in fire detector combines 4 separate sensing elements to act as a single unit. These are CO sensing for monitoring CO products from a smouldering fire, IR sensing for measuring ambient light levels and flame signatures, optical smoke detection and heat detection. Designed for indoor use. No isolator.



The Rate of Rise Heat Detector has low mass thermistors and microprocessor technology to provide an alarm when the rate of rise in temperature exceeds 10°C/minute (typical) or if the temperature exceeds a threshold of 58°C (Response Class A1R). Contains isolator.



The Rate of Rise Heat Detector has low mass thermistors and microprocessor technology to provide an alarm when the rate of rise in temperature exceeds 10°C/minute (typical) or if the temperature exceeds a threshold of 58°C (Response Class A1R). No isolator.

Multi-Criteria Detector 4 Element ESMI2251CTLE-White

Technical data

Product number	FFS06710607 EAN: 6430030845014 Datasheet: www.se.com
Dimensions	66 mm x 102 mm
Weight	with base: 176 g, without base: 111 g
Operating temperature	-20°C to 55°C
IP rating	IP20
Standards	EN54-5, EN54-7 LPS 1279 (CO, Photo, Thermal) CEA 402 (Photo, Thermal)
CO-cell life time	6 years

Rate of Rise Heat Detector With Isolator ESMI52051REI

Technical data

Product number	FFS06710611 EAN: 6430030845021 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1R, EN54-17

Rate Of Rise Heat Detector ESMI52051RE

Technical data

Product number	FFS06710612 EAN: 6430030845038 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1R

EN 54 offering

Detectors

Addressable AP200 Detectors



The ESMI 52051EI fixed temperature detector is analogue addressable sensor employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. The linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Cass BS). Contains isolator.



The ESMI 52051E fixed temperature detector is analogue addressable sensor employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. The linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Cass BS). No isolator.



The ESMI 52051HTEI fixed temperature detector is analogue addressable sensor employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. The linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Cass BS). Contains isolator.

58°C Fixed Temperature Detector With Isolator ESMI52051EI

Technical data	
Product number	FFS06710613 EAN: 6430030845045 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1S, EN54-17

58°C Fixed Temperature Detector ESMI52051E

Technical data	
Product number	FFS06710614 EAN: 6430030845052 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 A1S

78°C Fixed Temperature Detector With Isolator ESMI52051HTEI

Technical data	
Product number	FFS06710615 EAN: 6430030845069 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 BS, EN54-17

EN 54 offering

Detectors

Addressable AP200 Detectors



The ESMI 52051HTE fixed temperature detector is analogue addressable sensor employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. The linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Class BS). No isolator.

78°C Fixed Temperature Detector ESMI52051HTE

Technical data

Product number	FFS06710616 EAN: 6430030845076 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP22 with WB-1 wet base)
Standards	EN54-5 BS

High Sensitivity Smoke Detector



The High Sensitivity Smoke Detector 72051EI has extremely high sensitivity to fire conditions, by detecting the earliest particles of combustion. This is achieved by combining a patented optical chamber with advanced high power output IR LED diode and precision optics technology, which is matched with a unique superior high gain IR receiver amplifier enhancing the sensitivity of the device.

The High Sensitivity Smoke Detector 72051EI has to be configured as a CLIP protocol device. As a result, SLC loop cards need to be configured as LC loop cards when using the detector. The product itself must be configured as 7251 laser detector. Other AP200 devices on the loop will work with CLIP protocol because of backward compatibility. The maximum amount of devices in CLIP protocol is 99 detectors + 99 modules per loop. Contains isolator.

High Sensitivity Smoke Detector 72051EI

Technical data

Product number	FFS06711100 EAN: 6430043859022 Datasheet: www.se.com
Dimensions	61 x 102 mm
Weight	110 g
Operating temperature	-10°C to 55°C
Compatible bases	B501AP, B524HTR
Standards	EN54-7 and EN54-17.

Sensing levels

Alarm level no.1	0.06% /m smoke obs. (0.02% /ft.)
Alarm level no.2	0.10% /m smoke obs. (0.03% /ft.)
Alarm level no.3	0.16% /m smoke obs. (0.05% /ft.)
Alarm level no.4	0.33% /m smoke obs. (0.10% /ft.)
Alarm level no.5	0.66% /m smoke obs. (0.20% /ft.)
Alarm level no.6	1.65% /m smoke obs. (0.50% /ft.)
Alarm level no.7	3.24% /m smoke obs. (1.00% /ft.)
Alarm level no.8	4.85% /m smoke obs. (1.50% /ft.)
Alarm level no.9	6.41% /m smoke obs. (2.00% /ft.)

EN 54 offering

Detectors

Conventional 300 Series Detectors



The function of the ED2351E optical smoke detector is based on light scattering, making it suitable for detecting light smoke with relatively large particles. The detector has drift compensation and it is used to indicate fire alarm at an early stage, while the fire is yet smouldering. It is recommended to install detector in hotels, offices or warehouses.

Smoke Detector Conventional Optical ED2351E

Technical data	
Product number	FFS06714620E EAN: 6430030840064 Datasheet: www.se.com
Dimensions	102 mm x 57 mm
Weight	105 g
Operating temperature	-30°C to 70°C
IP rating	IP40 (IP43 with WB-1 wet base)
Standards	EN 54-7



The ED4351E Heat Detector is a high temperature thermal detector with a nominal alarm temperature of 78°C. It is tested and certified to comply with the EN 54 part 5 standard, class BS. Thermal detectors are used in environments where smoke detection is not suitable.

Heat Detector Conventional Fixed ED4351E

Technical data	
Product number	FFS06714640E EAN: 6430030840651 Datasheet: www.se.com
Dimensions	102 mm x 57 mm
Weight	105 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP23 with WB-1 wet base)
Standards	EN 54-5 BS



The ED5351E thermal detector is a rate-of-rise and fixed temperature detector with a nominal alarm temperature of 58°C. Thermal detectors are used in environments where smoke detection is not suitable.

Heat Detector Conventional Rate of Rise+Fixed ED5351E

Technical data	
Product number	FFS06714650E EAN: 6430030840101 Datasheet: www.se.com
Dimensions	102 mm x 57 mm
Weight	105 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP23 with WB-1 wet base)
Standards	EN 54-5 A1R

EN 54 offering

Detectors

Conventional 300 Series Detectors



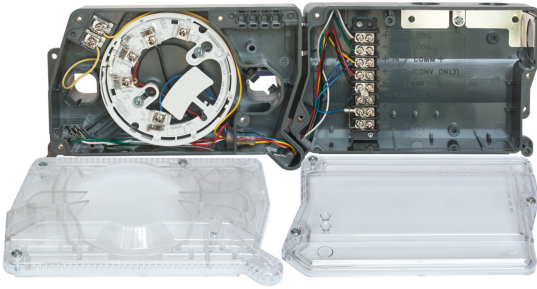
The ED5351TE is a fixed temperature detector with a nominal alarm temperature of 58°C. Thermal detectors are used in environments where smoke detection is not suitable.

Fixed Thermal Detector ED5351TE

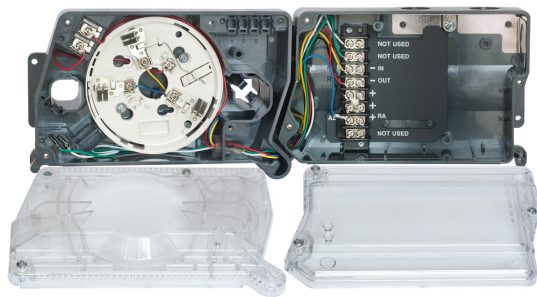
Technical data

Product number	FFS06714660E EAN: 6430030845229 Datasheet: www.se.com
Dimensions	102 mm x 57 mm
Weight	105 g
Operating temperature	-30°C to 70°C
IP rating	IP20 (IP23 with WB-1 wet base)
Standards	EN 54-5 A2S

Duct Detector Housing and Sampling tubes



An Addressable Duct Detector Housing DNRE has improved cover design that isolates the sensor head from the low-flow feature for simple maintenance. A cover tamper feature was added to indicate a trouble signal for a removed or improperly installed sensor cover. Used together with SLC-series intelligent smoke detectors.



Conventional Duct Detector Housing D2E isolates the sensor head from the low-flow feature for simple maintenance. A cover tamper feature was added to indicate a trouble signal for a removed or improperly installed sensor cover. Used together with conventional detectors.

Addressable Duct Detector Housing DNRE

Technical data	
Product number	FFS06716421 EAN: 6430030848169 Datasheet: www.se.com
Dimensions	Rectangular: 370 x 127 x 64 mm Square: 197 x 229 x 64 mm
Weight	820 g
Operating temperature	-20°C to 70°C
IP rating	IP20

Conventional Duct Detector Housing D2E

Technical data	
Product number	FFS06716411 EAN: 6430030848176 Datasheet: www.se.com
Dimensions	Rectangular: 370 x 127 x 64 mm Square: 197 x 229 x 64 mm
Weight	820 g
Operating temperature	-20°C to 70°C
IP rating	IP20

Duct Detector Sampling tubes for DNRE and D2E

Product details		Sampling Tube
Duct Detector Sampling Tube 30cm DST1	FFS06716412 EAN: 6430030848183	300 mm
Duct Detector Sampling Tube 30-60cm DST 1.5	FFS06716413 EAN: 783863035074	300-600 mm
Duct Detector Sampling Tube 61-122cm DST3	FFS06716414 EAN: 6430030848206	610-1220 mm
Duct Detector Sampling Tube 122-244cm DST5	FFS06716415 EAN: 6430030848213	1200-2440 mm
Duct Detector Sampling Tube 244-360cm DST10	FFS06716416 EAN: 6430030848220	2440-3600 mm

Find out more: www.se.com

EN 54 offering

Beam Detectors (Coming in the end of 2020)



The new EB-6500SE with built-in test alarm feature and EB-6500E addressable detectors are combined transmitter/receiver units that can be directly connected to a FX-SLC loop circuit. The Infra-Red transmitter generates a beam of light towards a high efficiency reflector.

The EB-6500RSE with built-in test alarm feature and 6500RE conventional detectors are combined transmitter/receiver units that can be directly connected to a conventional CLC detector circuit. The Infra-Red transmitter generates a beam of light towards a high efficiency reflector.

Intelligent Addressable Beam Detector EB6500E

Technical data	
Product number	FFS06716518 EAN: 6430075470486 Datasheet: www.se.com
Dimensions	190 mm x 254 mm x 84 mm
Weight	1,77 kg
Operating temperature	-30°C to 55°C
Loop Powered	yes
IP rating	IP54
Standards	EN54-12, EN54-14

Intelligent Addressable Beam Detector with selftest EB6500SE

Technical data	
Product number	FFS06716519 EAN: 6430075470493 Datasheet: www.se.com
Dimensions	190 mm x 254 mm x 84 mm
Weight	1,77 kg
Operating temperature	-30°C to 55°C
Loop Powered	yes
Operating Voltage	24vdc power required
IP rating	IP54
Standards	EN54-12, EN54-14

Conventional Beam Detector EB-6500RE

Technical data	
Product number	FFS06716520 EAN: 6430075470509 Datasheet: www.se.com
Dimensions	190 mm x 254 mm x 84 mm
Weight	1,77 kg
Operating temperature	-30°C to 55°C
Operating Voltage	24vdc
IP rating	IP54
Standards	EN54-12

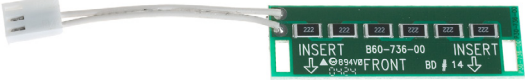

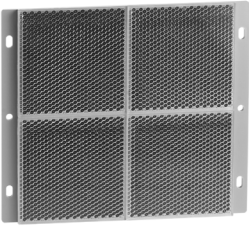

Conventional Beam Detector with selftest EB-6500RSE

Technical data	
Product number	FFS06716521 EAN: 6430075470516 Datasheet: www.se.com
Dimensions	190 mm x 254 mm x 84 mm
Weight	1,77 kg
Operating temperature	-30°C to 55°C
Operating Voltage	24vdc
IP rating	IP54
Standards	EN54-12

EN 54 offering

Beam Detector Accessories

Beam Detector Accessories

Product number	Beam Accessories
<p>Heater Kit for beam detector-HK</p> <p>FFS06716516 EAN: 6430030845700</p>	
<p>Heater Kit for reflector-HKR</p> <p>FFS06716517 EAN: 6430030845595</p>	
<p>Long range kit 70-100 m-LRK</p> <p>FFS06716507 EAN: 6430030840552</p>	
<p>Surface mounting box for beam detector-SMK</p> <p>FFS06716508 EAN: 6430030840484</p>	

Find out more: www.se.com

EN 54 Offering

Detector and Module Accessories

Installation Accessories

Product number	
<p>Din Rail Clip Module M200-DIN</p> <p>FFS06717062 EAN: 6430030840231</p>	
<p>Surface mounting box for M200-SMB</p> <p>FFS06717061 EAN: 6430030840071</p>	
<p>Surface mounting adaptor kit SMK400EAP</p> <p>FFS06715491 EAN: 6430030847230</p>	
<p>Wet Base White WB-1AP</p> <p>FFS06715496 EAN: 6430030847919 IP rating: IP43</p>	
<p>Detector base sealing housing MS 2001</p> <p>FFS06416110 EAN: 6410071253016 No IP rating</p>	
<p>Recessed mounting kit RMK400AP</p> <p>FFS06715493 EAN: 6430030847896</p>	
<p>Panel Mounting Clip Module M200-PMB</p> <p>FFS06717063 EAN: 6430043851071</p>	
<p>End Of Line Capacitor M200E-EOL-C</p> <p>FFS06717064</p>	

Find out more: www.se.com

EN 54 Offering

Detector Installation Accessories

Installation Accessories

Product number	
<p>Black detector cover BCK-200REAP</p> <p>FFS06710652 EAN: 6430043851538</p> <p>cover for: 52051E, 52051EI, 52051RE, 52051REI, 52051HTE and 52051HTEI detectors</p>	
<p>Black detector cover BCK-200TEAP</p> <p>FFS06710653 EAN: 6430043851545</p> <p>cover for: 22051TE and 22051TEI detectors</p>	
<p>Black detector cover BCK- 200EAP</p> <p>FFS06710651 EAN: 6430043851521</p> <p>cover for: 22051E and 22051EI detectors</p>	
<p>Black Base B501AP-BK</p> <p>FFS06710650 EAN: 6430043851514</p> <p>B501AP-BK black detector base</p>	

Find out more: www.se.com

AP200 series white detector cover can be changed to black cover and use black detector base.

EN 54 offering

Bases

Addressable Bases



The B524HTR-White is a two wire heated base. It has been designed to be used when environmental conditions mean frost or condensation may build up in the detector's chamber and cause false alarms. The heater base raises the temperature of the detector by few degrees in order to avoid the build up of the condensation or frost in the chamber. Requires external 24V wiring, power supply and thermostat.



B501AP-White detector base is for SLC series detectors and alarm devices. Base includes tamper resistant feature that when activated prevents removal of the unit without use of a specific tool.

Heater Base B524HTR-White

Technical data

Product number	FFS06710631 EAN: 6430030847223 Datasheet: www.se.com
Dimensions	102 mm x 36 mm
Weight	109 g
Operating temperature	-30°C to 60°C
IP rating	IP20

Mounting Base B501AP-White

Technical data

Product number	FFS06710600 EAN: 6430030845182 Datasheet: www.se.com
Dimensions	61 mm x 102 mm
Weight	88 g
Operating temperature	-30°C to 70°C
IP rating	IP21

EN 54 offering

Bases

Conventional Bases



The Mounting Base B401 is used in hazardous areas of Zone 0.

Mounting Base B401

Technical data	
Product number	FFS06715411 EAN: 6430030840040 Datasheet: www.se.com
Dimensions	102 mm x 19 mm
Weight	60 g
Operating temperature	-20°C to 60°C
IP rating	IP20



The Deep Base B401DGR is used for conventional smoke detectors. Deep base with resistor for conventional 300-series detectors.

Deep Base Conventional Detector B401DGR

Technical data	
Product number	FFS06715413 EAN: 6410071252606 Datasheet: www.se.com
Dimensions	102 mm x 19 mm
Weight	60 g
Operating temperature	-20°C to 60°C
IP rating	IP20



The Standard Base B401R is used for conventional smoke detectors. Standard base with resistor for conventional 300-series detectors.

Standard Base Conventional 470R B401R

Technical data	
Product number	FFS06715401 EAN: 6430030845298 Datasheet: www.se.com
Dimensions	102 mm x 19 mm
Weight	60 g
Operating temperature	-20°C to 60°C
IP rating	IP20

EN 54 offering

Manual Call points

Addressable Manual Call Points



Manual Call Point

Technical data	
Dimensions	Flush: 93 mm x 89 mm x 27,5 mm Surface: 93 mm x 89 mm x 52 mm
Weight	100 g
Operating temperature	-10°C to 55°C
IP rating	IP24D
Standards	EN 54-11

All the Manual Call points below are designed for indoor use.

Datasheet D01487GB

Data	SLC Manual Call Points	
FFS06423730EN EAN: 6430030840286	Manual Call Point Non Isolated M5A-RP01FG-E010-02	Comes with breakable glass, non isolator
FFS06423732EN EAN: 6430030840194	Manual Call Point Isolated M5A-RP02FG-E010-02	Comes with breakable glass, with isolator
FFS06423740EN EAN: 6430030840262	Manual Call Point Non Isolated MCP5A-RP01FF-01	Comes with resetable unit, non isolator
FFS06423742EN EAN: 6430030840248	Manual Call Point Isolated M5A-RP02FF-E010-02	Comes with resetable unit, with isolator

Find out more: www.se.com

EN 54 offering

Manual Call points

Addressable Manual Call Points



The isolated outdoor addressable Waterproof Manual Call Point is a sealed manual call point product. The enhanced environmental protection allows the unit to be installed in many external environments where water and dirt are likely to be present, making it a true waterproof and outdoor product.

Manual Call Point WCP5A-RP02SF-E010-01

Technical data	
Product number	FFS06423668E EAN: 6430030843751 Datasheet: www.se.com
Dimensions	97,5 mm x 93 mm x 65,5 mm
Weight	270 g
Operating temperature	-30°C to 70°C
IP rating	IP67
Standards	EN 54-11

Conventional Manual Call Points



The M1A-R470SG-STCK-01 call point is a conventional call point suitable to conventional panels of Esmi and a conventional CLC-loop of the FDP and FX 3 Net panels. The MCP1A call point has been designed for indoor use. The call point is surface mounted with breakable glass.

Manual call point M1A-R470SG-STCK-01

Technical data	
Product number	FFS06425320EN EAN: 6430030843904 Datasheet: www.se.com
Dimensions	93 mm x 89 mm x 52 mm
Weight	160 g
Operating temperature	-10°C to 55°C
IP rating	IP24
Standards	EN 54-11



The conventional outdoor Waterproof Manual Call Point WCP1A-R470SF-01853 is surface mounted with flex and EN 54-11 marking. The call point have plug and play installation concept and comes with both resistor and normally open clean contact electrical options.

Waterproof Manual Call Point WCP1A-R470SF-01853

Technical data	
Product number	FFS06424141E EAN: 6430030840262 Datasheet: www.se.com
Dimensions	93 mm x 97,5 mm x 71 mm
Weight	400 g
Operating temperature	-10°C to 70°C
IP rating	IP67
Standards	EN 54-11

EN 54 offering

Manual Call points

Addressable and Conventional Accessories

Manual Call Point Accessories

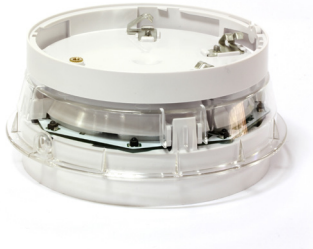
Product number	
<p>Plain hinged cover for manual call point PS200-E010</p> <p>FFS06424502 EAN: 6430030840057</p> <p>Dimension: 90 mm x 104 mm Weight: 35 g</p>	
<p>Manual Call Point Test Key SC070 10 PACK</p> <p>FFS06424510 EAN: 6430030840453</p> <p>Test key in package: 10 pcs Used for Addressable and Conventional Call Point</p>	
<p>Replacement Glass Element- CA357 KG1 x 50 (G41140) Manual Call Point Flexible Element PS210-E010,REPL</p> <p>Glass:FFS06424900EN EAN: 6430030840163</p> <p>Flex: FFS06424920 EAN: 6430030840361 D01502GB</p>	 <p style="text-align: center;">Glass Flex</p>
<p>CA1000W,SR1T-2G,5 PACK,Surface Mounting Box</p> <p>FFS06424310 EAN: 6430030840033 Used for Addressable and Conventional Call Points Includes two rubber grommet</p>	
<p>SUP554W SR2G 5 Pack Surface Mounting Box</p> <p>FFS06424160 EAN: 6430030840422 No rubber grommets Used for Addressable and Conventional Call Points</p> <p>Dimension: 88 x 88 x 32 mm Weight: 90 g IP rating: IP24D</p>	
<p>Cable Gland Pack CA344 (P014)</p> <p>FFS06424550 EAN: 6430030843829</p>	

Find out more: www.se.com

EN 54 offering

Alarm Devices

Addressable Alarm Devices



Esmi Base Sounder Beacon DSS-PC-I33 is a high quality loop powered device. Compatible with B501AP base. Choice for multiple sound output levels and tones. Contains isolator.



Esmi Base Sounder Beacon DSS-PC-N33 is Compatible with B501AP base. Choice for multiple sound output levels and tones. No isolator.



Wall mounted Sounder WSO-PR-I33 is compatible with SLC series intelligent alarm devices and B501AP base. Contains isolator.

Esmi Base Sounder Beacon DSS-PC-I33

Technical data	
Product number	FFS06425180 EAN: 6430043856021 Datasheet: www.se.com
Dimensions	121mm x 55 mm
Operating temperature	-25 to 70°C
IP rating	IP21C (with low profile B501AP base)
Standards	EN54-23, EN54-3, EN54-17

Esmi Base Sounder Beacon DSS-PC-N33

Technical data	
Product number	FFS06425181 EAN: 6430043856038 Datasheet: www.se.com
Dimensions	121mm x 55 mm
Operating temperature	-25 to 70°C
IP rating	IP21C (with low profile B501AP base)
Standards	EN54-23, EN54-3

Wall Mounted Isolated Sounder WSO-PR-I33

Technical data	
Product number	FFS06711737 EAN: 6430043850432 Datasheet: www.se.com
Dimensions	121 x 64 mm
Weight	273 g
Operating temperature	-25 to 70°C
Sound Output	95dB(A)±3dB
IP rating	IP24 (with low profile base) IP44 (with surface mount base) IP65 (Waterproof base)"
Standards	EN 54-3

EN 54 offering

Alarm Devices

Addressable Alarm Devices



The Wall Mounted Sounder WSO-PR-N33 is compatible with SLC series intelligent alarm devices. No isolator.

Wall Mounted Sounder Non Isolated WSO-PR-N33

Technical data	
Product number	FFS06711738 EAN: 6430043850449 Datasheet: www.se.com
Dimensions	121 x 64 mm
Weight	273 g
Operating temperature	-25 to 70°C
Sound output	95dB(A)±3dB
IP rating	IP24 (with low profile base) IP44 (with surface mount base) IP65 (Waterproof base)"
Standards	EN 54-3

Conventional Alarm Devices



The conventional Fire Alarm sounder is a general purpose electronic sounder for fire detection systems. With a choice of 32 tones including all the major international standards, the sounder has universal acceptance.

Fire Alarm Sounder 18-980527

Technical data	
Product number	FFS06430246 EAN: 6430030841696 Datasheet: www.se.com
Dimensions	Shallow Base: 81 x 100 mm Deep Base: 97.5 x 104 mm
Weight	215 g (shallow base) 250 g (deep base)
Operating temperature	-25...+70°C
Peak Sound Level	94...106 dBA@1 m
Current consumption	4...41 mA
IP rating	IP65
Standards	EN54-3 type A (shallow base) EN-3 type B (deep base)



The conventional Fire Alarm sounder is a general purpose electronic sounder for fire detection systems. With a choice of 32 tones including all the major international standards, the sounder beacon has universal acceptance. The Sounder Beacon has a link installed on its circuit board at the time of manufacture which allows the sounder and beacon unit to operate together, eliminating the need for a wired link during installation.

Fire Alarm Sounder Beacon 18-980575

Technical data	
Product number	FFS06430247 EAN: 6430030841702 Datasheet: www.se.com
Dimensions	Shallow Base: 81 x 100 mm Deep Base: 97.5 x 104 mm
Weight	215 g (shallow base) 250 g (deep base)
Operating temperature	-25...+70°C
Current consumption	4...41 mA
IP rating	IP65
Peak Sound Level	94...106 dBA@1 m
Standards	EN54-3 type A (shallow base) EN-3 type B (deep base)

EN 54 offering

Alarm Devices

Fire Bells and Accessories



The Indoor Fire Bell MBF-6EV-24 has very high volume output with low power consumption. Material: aluminium.

Indoor Fire Bell MBF-6EV-24

Technical data	
Product number	FFS06431065 EAN: 6430030840750 Datasheet: www.se.com
Dimensions	150 mm x 53 mm
Weight	410 g
Operating temperature	-10°C to +50°C
Sound output db(A) @ 1m (max)	95.0
Power consumption	13mA
IP rating	IP23
Standards	24V Bells are certified by LPCB to EN54-3



The Outdoor Fire Bell MBA-6 is a weatherproof bell, which is compatible with MBA Bell BBX-4 mounting box. The bell has very high volume output. Material: aluminium.

Outdoor Fire Bell MBA-6

Technical data	
Product number	FFS06431505 EAN: 6430030840910 Datasheet: www.se.com
Dimensions	150 mm x 64 mm
Weight with backbox BBX-4	780 g
Operating temperature	-10°C to +50°C
Sound output db(A) @ 1m (max)	100.5
Power consumption	13mA
IP rating	IP55 with BBX-4
Standards	EN54-3



The Mounting Box MBA Bell BBX-4 has single or double threaded entry for maximum flexibility in installation. Delivered with gasket and screws. Material: aluminium.

Mounting back box for bell BBX-4

Technical data	
Product number	FFS06431510 EAN: 6430030840927 Datasheet: www.se.com
Dimensions	128 mm x 95 mm
Weight	30 g
IP rating	IP55

EN 54 Offering

Alarm Devices

Addressable Audible and Visual Alarm Devices (VADs)



WSS-PC-I33
WSS-PC-N33

WSS Wall Sounder Strobe VAD



WST-PC-I33
WST-PC-N33

WST Wall mounted strobe VAD

The intelligent AP200 series alarm devices are used in the Esmi Sense FDP and FX 3NET SLC fire detection system. They have been designed to reduce significantly the total cost of installation. Product performance has been optimized to allow the maximum permissible number of devices to be installed on an intelligent loop. The sounders and visual alarm devices are installed in exactly the same manner as an intelligent fire detector. The devices use the B501AP detector base.

General Technical Data	
Flash rate	0,5 / 1 Hz
Dimensions	WSS-PC: 121 x 64 mm WST-PC: 121 x 51 x 55 mm
Weight	WSS-PC: 239 g WST-PC 170 g
Operating temperature	-25 to 70°C
Relative Humidity	Up to 93% (±3%) non-condensing
Max current consumption (sound) (isolation)	WSS-PC: 9.05mA WST-PC: N/A
Max current consumption (sound) (non isolation)	WSS-PC: 8.86mA WST-PC: N/A
Sound Output to EN 54-3 (high volume tone 8@24 V)	WSS-PC: 95dB(A)±3dB WST-PC: N/A
IP rating	IP24C (with B501 AP base) IP44 (with Deep base BPW-E10) IP65 (with Waterproof base WPW-E10)
Approvals and Standards	VAD: EN 54-23, Sounder VAD: EN 54-3

Addressable VADs	Product code
Wall Mounted Sounder VAD WSS-PC-I33 with isolator	FFS06711745 EAN: 6430043851965
AV Phase II Strobe Sounder VAD WSS-PC-N33 non isolator	FFS06711746 EAN: 6430043851972
Wall Mounted VAD WST-PC-I33 with isolator	FFS06711747 EAN: 6430043852269
Wall Mounted VAD WST-PC-N33 non isolator	FFS06711748 EAN: 6430043852276

Find out more: www.se.com

EN 54 Offering

Alarm Devices

Conventional Audible and Visual Alarm Devices (VADs)



Conventional Wall Sounder CWSO-RR-S1-E010 is a sounder with shallow base.

Conventional Wall Sounder CWSO-RR-S1-E010

Technical data

Product number	FFS06711058 EAN: 6430043851989 Datasheet: www.se.com
Dimensions	100 mm x 77 mm
Weight	200 g
Operating temperature	-25 to 70 °C
IP rating	IP21
Standards	EN 54-3, EN 54-23



Conventional Wall Sounder IP65 CWSO-RR-W1-E010 is a deep base sounder.

Conventional Wall Sounder CWSO-RR-W1-E010

Technical data

Product number	FFS06711059 EAN: 6430043851996 Datasheet: www.se.com
Dimensions	100 mm x 102 mm
Weight	207 g
Operating temperature	-25 to 70 °C
IP rating	IP65
Standards	EN 54-3, EN 54-23

EN 54 Offering

Alarm Devices

Conventional Audible and Visual Alarm Devices (VADs)



Ceiling mounting



Wall mounting

Ceiling mounting

ESB and ESC ceiling mounted Visual Alarm Devices are available as fire beacons or combined sounder beacons. With an EN54-23 approved coverage pattern of C-3-15, each ceiling mounted device can be mounted up to 3m high and provide a 15m cylinder diameter coverage, which can cover a 11.3m x 11.3m square room with a single device. Includes base.

Wall mounting

ESB and ESC wall mounted Visual Alarm Devices are available as fire beacons or combined sounder beacons. With an EN54-23 approved coverage pattern of W-3.5-11.5, each wall mounted device can be mounted up to 3.5m high and can cover an 11.5m x 11.5m square room with a single device. Includes base.

General Technical Data

Beacon flash rate	0.5Hz/1Hz
Dimensions	Beacon ceiling mounted: 94 x 100 mm Beacon ceiling deep base: 117 x 100 mm Beacon Wall mounting: 100 x 100 mm Beacon wall deep base: 122 x 100mm
Operating temperature	-25 to 70 °C
Humidity	5% to 95%
Sounder Peak Sound Level	97dBA @ 1m*
IP rating	IP21 (shallow base) IP65 (deep base)
Standards	EN 54- 3. EN 54-23

Addressable VADs

Product code

Wall Beacon Deep Base Red Flash ESD-5003	FFS06430271 EAN: 6430043853365
Wall Beacon Shallow Base Red Flash ESD-5004	FFS06430272 EAN: 6430043853402
Ceiling Beacon Deep Base Red Flash ESD-5007	FFS06430273 EAN: 6430043853433
Ceiling Beacon Shallow Base Red Flash ESD-5008	FFS06430274 EAN: 6430043853440
Wall Sounder Beacon Deep Base Red Flash ESF-5003	FFS06430275 EAN: 6430043853457
Wall Sounder Beacon Shallow Base Red Flash ESF-5004	FFS06430276 EAN: 6430043853464
Ceiling Sounder Beacon Shallow Base Red Flash ESF-5008	FFS06430278 EAN: 643004385348

EN 54 Offering

Modules

Addressable Modules



The addressable Mini Monitor Module M501MEA has one contact monitoring input. No isolator.



The EM201E-240 is a loop-powered device controlling an unsupervised double pole (one normally open, one normally closed) output suitable for managing 240 VAC loads. The output relay is a bistable device, latching in the on or off state on command from the control panel. The module is supplied in a wall mounting box as standard with a grounding terminal provided. Contains isolator.



The M201E-240-DIN has the same features and capabilities as the EM201E-240 but is designed to mount directly on to a standard 35 mm "Top Hat" DIN rail. The module is supplied unboxed for installation in a suitable enclosure.

Mini Monitor Module M501MEA

Technical data	
Product number	FFS06717501 EAN: 6430043851484 Datasheet: www.se.com
Dimensions	33 mm x 71 mm x 15 mm
Weight	57 g
Operating temperature	0-49°C
Standards	EN54-18

Output Module 240V EM201E-240

Technical data	
Product number	FFS06717041 EAN: 6430030845465 Datasheet: www.se.com
Dimensions	40 x 140 x 139 mm
Weight	195 g
Operating temperature	- 20 °C - +60 °C
Relay specification	5A at 30VDC, 5A at 250VAC, resistive load 1 x NO and 1 x NC contacts.
IP rating	IP50
Standards	EN54-17, EN54-18

Din Output Module 240V EM201E-240-DIN

Technical data	
Product number	FFS06717042 EAN: 6430030845472 Datasheet: www.se.com
Dimensions	48 x 125 x 76 mm
Weight	140 g
Operating temperature	- 20 °C - +60 °C
Relay specification	5A at 30VDC, 5A at 250VAC, resistive load 1 x NO and 1 x NC contacts.
IP rating	IP30
Standards	EN54-17, EN54-18

EN 54 Offering

Modules

Addressable Modules



The SLC series EM201E output module provides a single output circuit for controlling various fire devices with Esmi Sense FDP and FX 3NET fire systems. Includes isolator. Output can selected to be monitored or potential free change over contact. Contains isolator.



The SLC series EM210E single input module provides one contact monitoring input. Contains isolator.



The SLC series EM220E Dual input module provides two contact monitoring inputs. Device reserves two addresses. Contains isolator.

Single Output Module EM201E

Technical data

Product number	FFS06717001 EAN: 6430030845410 Datasheet: www.se.com
Dimensions	24 x 94 x 94 mm
Weight	62 g
Operating temperature	- 20°C .. +60°C
Monitors	automatic extinguishing systems, alarm devices, fire doors and other fire restricting devices
Relay Specifications	2A 30V dc, resistive load
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18

Single Input Module EM210E

Technical data

Product number	FFS06717010 EAN: 6430030845427 Datasheet: www.se.com
Dimensions	24 x 94 x 94 mm
Weight	100 g
Operating temperature	- 20°C .. +60°C
Monitors	automatic extinguishing systems, smoke ventilation shutters and fire doors.
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18

Dual Input Module EM220E

Technical data

Product number	FFS06717020 EAN: 6430030845434 Datasheet: www.se.com
Dimensions	24 x 94 x 94 mm
Weight	110 g
Operating temperature	- 20°C .. +60°C
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18

EN 54 Offering Modules Addressable Modules



The EM221E dual input- single output module provides two contact monitoring circuits. The combination of the two inputs and one output makes the installation very cost-effective. Device reserves three addresses. Output has potential free change over contacts. Contains isolator.

Dual Input- Single Output Module EM221E

Technical data

Product number	FFS06717021 EAN: 6430030845441 Datasheet: www.se.com
Dimensions	24 x 94 x 94 mm
Weight	110 g
Operating temperature	- 20°C .. +60°C
Potential free change over contact	2A 30V dc, resistive load
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18

Conventional Modules



The EM210E-CZ Conventional Zone module is used in Esmi Sense FDP and FX 3NET fire detection systems using SLC and LC loop interface boards. Contains EOL capacitor and isolator.

Conventional Zone Monitor Module EM210E-CZ

Technical data

Product number	FFS06717030 EAN: 6430030845458 Datasheet: www.se.com
Dimensions	23 x 94 x 94 mm
Weight	110 g
Operating temperature	- 20°C .. +60°C
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18



The EM210E-CZR Conventional Zone module is used in Esmi Sense FDP and FX 3NET fire detection systems using SLC and LC loop interface boards. Contains EOL resistor and can be used in intrinsically safe solutions. Contains isolator.

Conventional Zone Monitor Module EM210E-CZR

Technical data

Product number	FFS06717031 EAN: 6430030847995 Datasheet: www.se.com
Dimensions	23 x 94 x 94 mm
Weight	110 g
Operating temperature	- 20°C ... +50°C
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17, EN54-18

EN 54 Offering Modules Conventional Modules



Extra Isolator module.

Module Isolator EM200XE

Technical data	
Product number	FFS06717051E EAN: 6430030840316 Datasheet: www.se.com
Dimensions	23 mm x 94 mm x 94 mm
Weight	62 g
Operating temperature	- 20°C .. +60°C
IP rating	IP30 (IP50 with M200E-SMB)
Standards	EN54-17

EN 54 Offering

Intrinsically Safe Fire Products and Interfaces



The 22051EISE analogue addressable photoelectric sensor is a plug in intrinsically safe smoke sensor combining an optical sensing chamber with analogue addressable communications. It is designed for most hazardous environments with explosive atmosphere and Zone 0.



The IST200 translator module serves as an interface between the control panel and up to a maximum of 15 x 22051EISE smoke sensors. The translator must be located within a safe environment. Can be used in conjunction with Y72221.



The Y72221 galvanic isolator is a single channel isolated repeater. It is suitable for use with IST200 and maximum 15 x 22051EISE smoke sensors. Suitable rail mounting to any electrical box with DIN rail.

Optical Smoke Detector 22051EISE

Technical data	
Product number	FFS06710248 EAN: 6430030844563 Datasheet: www.se.com
Dimensions	45 x 102 mm
Weight	110 g
Operating temperature	-10 °C - +60 °C
IP rating	IP40 (IP43 with WB-1 wet base)
Standards	BASEEFA, EEx ia IIC T5

Interface Module IST200

Technical data	
Product number	FFS06710246 EAN: 6430030848497 Datasheet: www.se.com
Dimensions	124 x 124 mm
Weight	142 g
Operating temperature	0°C - +60°C
IP rating	IP50 mounted in SMB500
Standards	N/A

Single Channel Isolator Y72221

Technical data	
Product number	FFS06710247 EAN: 6430030848503 Datasheet: www.se.com
Dimensions	20 x 107,5 x 110 mm
Weight	100 g
Operating temperature	0 °C ... +60° C
IP rating	To be installed inside electrical box
Standards	EEx ua IIC, Baseefa00ATEX087X

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Esmi SLC EN 54 Fire Range

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