Advanced

Axis EN

Axis EN Intelligent Optical Smoke Detector

The Axis-OPX analogue Optical Smoke Detector is a point detection device that continuously monitors the air in the protected area to provide the earliest warning of a fire condition.

The enhanced design of the smoke inlet and optical chamber guarantees a very high resistance to the entry of dust, ensuring a higher level of false alarm rejection without compromising sensing performance.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-7:2018 - Smoke Detectors - Point smoke detectors
- EN54-17:2005 - Short circuit isolators
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Multiple fully approved sensitivity settings
- Bi-directional isolator to protect against cable faults
- Utilises Axis EN protocol with high noise rejection
- Dual bi-colour LEDs providing 360° cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Open style mounting base offers easy wiring and low pressure locking
- Addressing using the Device Programming Tool or Auto addressing capability via the fire control panel
- Magnet test capability

Specification

Loop Voltage(*)	18-40 V_{dc}
Average Standby Current	55 µA @ 24VDC
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	Max 95% RH
Dimensions H x D	49 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130 g
Colour	Custom white. Closest RAL is RAL9016.

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-OPX	Intelligent Optical Smoke Detector
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Intelligent Sounder Beacon Base
Axis-WP	Silcon Base Gasket

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

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Axis EN

Axis EN Intelligent Optical Smoke Detector without isolator

The Axis-OP analogue Optical Smoke Detector is a point detection device that continuously monitors the air in the protected area to provide the earliest warning of a fire condition.

The enhanced design of the smoke inlet and optical chamber guarantees a very high resistance to the entry of dust, ensuring a higher level of false alarm rejection without compromising sensing performance.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-7:2018 - Smoke detectors - Point smoke detectors
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Multiple fully approved sensitivity settings
- Utilises Axis EN protocol with high noise rejection
- Dual single-colour LEDs providing 360° cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Open style mounting base offers easy wiring and low pressure locking
- Addressing using the Device Programming Tool

Specification

Loop Voltage(*)	18-40 V_{dc}
Average Standby Current	55 µA @ 24V DC
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	Max 95% RH
Dimensions H x D	49 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130 g
Colour	Custom white. Closest RAL is RAL 9016

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-OP	Intelligent Optical Smoke Detector without isolator
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Slave Sounder Beacon Base
Axis-WP	Silicon Base Gasket

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Axis EN

Axis EN Intelligent Multicriteria Detector

The Axis-OHX intelligent Multicriteria Detector is a point detection device that continuously samples both the air and the temperature variation in the protected area to provide the earliest warning of a fire condition.

Special algorithms utilise information from both the smoke and heat sensing elements to ensure high level of false alarm rejection without compromising genuine alarm sensing performance.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-5:2017 +A1:2018
- EN54-7:2018
- EN54-17:2005
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Nine modes of operation
- Bi-directional isolator to protect against cable faults
- Utilises Axis EN protocol with high noise rejection
- Dual bi-colour LEDs providing 360° cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Open style mounting base offers easy wiring and low pressure locking
- Addressing and sensitivity settings using the Device Programming Tool or Auto addressing capability via the fire control panel
- Magnet test capability

Specification

Loop Voltage(*)	18-40 V_{dc}
Average Standby Current	85 µA @ 24V_{dc}
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-10°C / +55°C
Humidity (non condensing)	95% RH
Dimensions H x D	58 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130 g
Colour	Custom white. Closest RAL is RAL 9016

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-OHX	Intelligent Multicriteria Detector
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Intelligent Sounder Beacon Base
Axis-WP	Silcon Base Gasket

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Axis EN Intelligent Multicriteria Detector without isolator

The Axis-OH intelligent Multicriteria Detector is a point detection device that continuously samples both the air and the temperature variation in the protected area to provide the earliest warning of a fire condition.

Special algorithms utilise information from both the smoke and heat sensing elements to ensure high level of false alarm rejection without compromising genuine alarm sensing performance.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-5:2017 +A1:2018
- EN54-7:2018
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Nine modes of operation
- Utilises Axis EN protocol with high noise rejection
- Dual single-colour LEDs providing 360° cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Open style mounting base offers easy wiring and low pressure locking
- Addressing using the Device Programming Tool

Standards & Approvals

- EN 54-5: + A2: Heat Detectors
- EN 54-7: Smoke Detectors
- CEA 4021: Multisensor Detectors

Specification

Loop Voltage(*)	18-40 V_{dc}
Average Standby Current	85 µA @ 24V_{dc}
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-10°C / +55°C
Humidity (non condensing)	95% RH
Dimensions H x D	58 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130 g
Colour	Custom white. Closest RAL is RAL 9016

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-OH	Intelligent Multicriteria Detector
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Intelligent Sounder Beacon Base
Axis-WP	Silcon Base Gasket

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Axis EN Intelligent Heat Detector

The Axis-HTX intelligent Heat Detector is a point detection device that continuously samples for temperature variation in the protected area to provide the earliest warning of a fire condition in areas where traditional smoke detection products are not suitable.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-5:2017 +A1:2018
- EN54-17:2005
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Two thermal sensitivity levels: Rate of Rise (A1R) and Class BS
- Bi-directional isolator to protect against cable faults
- Utilises Axis EN protocol with high noise rejection
- Dual bi-colour LEDs providing 360° cone of visibility
- Open style mounting base offers easy wiring and low pressure locking
- Addressing and sensitivity settings using the Device Programming Tool or Auto addressing capability via the fire control panel
- Magnet test capability

Specification

Loop Voltage(*)	18V - 40V
Average Standby Current	45 µA @ 24VDC
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Dimensions H x D	60 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130g
Colour	Custom white. Closest RAL is RAL9016

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-HTX	Intelligent Heat Detector
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Intelligent Sounder Beacon Base
Axis-WP	Silcon Base Gasket

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Axis EN Intelligent Heat Detector without isolator

The Axis-HT intelligent Heat Detector is a point detection device that continuously samples for temperature variation in the protected area to provide the earliest warning of a fire condition in areas where traditional smoke detection products are not suitable.

This detector is characterised by an aesthetically pleasing low profile and is specifically designed for Axis EN control panels.

Standards and Approvals

- EN54-5:2017 +A1:2018
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Features

- Two thermal sensitivity levels: Rate of Rise (A1R) and Class BS
- Utilises Axis EN protocol with high noise rejection
- Dual single-colour LEDs providing 360° cone of visibility
- Open style mounting base offers easy wiring and low pressure locking
- Addressing and sensitivity settings using the Device Programming Tool

Specification

Loop Voltage(*)	18-40 V_{dc}
Average Standby Current	45µA @ 24VDC
Remote Output Max Current	20 mA
Max number of loop addresses	240
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Dimensions H x D	60 x 100 mm
IP Rating	IP40 (IP42 with silicon base gasket)
Weight (Standard Base included)	130 g
Colour	Custom white. Closest RAL is RAL 9016

(*) Product operates down to 15 V, but without LED indication.

Order Codes and Options

Axis-HT	Intelligent Heat Detector
Axis-MB	Base
Axis-SAMB	Slave Sounder Base
Axis-SVAMB	Slave Sounder Beacon Base
Axis-SMB	Intelligent Sounder Base
Axis-SVMB	Intelligent Sounder Beacon Base
Axis-WP	Silcon Base Gasket

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Axis EN Mounting Base

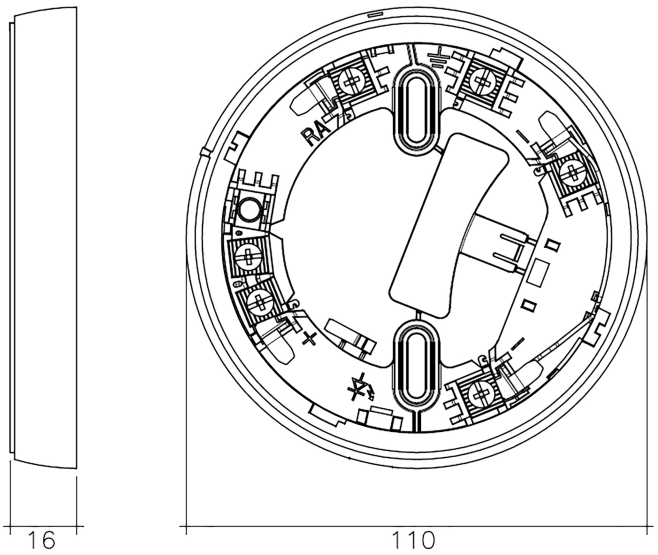
This standard intelligent detector low profile mounting base has been designed for use with any of the Axis intelligent detector range.

The base's layout allows plenty of space for cable access and has multiple mounting-hole positions for use with a variety of back boxes. The unit has terminations for loop wiring, remote indicator connection and termination of shield cabling. When no device is fitted into the base, an automatic spring connection maintains loop continuity ready for loop cable testing.

Once the device is refitted the spring is displaced, allowing the loop isolators to operate.

Features

- High reliability
- Device locking capability
- Easy central cable entry
- Integral device identification tab
- Remote indicator connections
- Built-in continuity spring



Specification

Dimensions (W x D)	110 x 16 mm
Operating temperature range (no icing)	-10°C to +55°C
Maximum humidity (non condensing)	95% RH
Weight	50 g

Order Codes and Options

Axis-MB	Axis Mounting Base

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