

Single Monitored Input Module

The Axis single input modules are loop powered, designed around a fully digital protocol and allow monitoring of fire alarm and auxiliary devices

The input channel is monitored and will detect Normal / Short / Alarm and Open conditions.

The unit provides fast alarm and fault signalling, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25mm or deep 47mm mounting boxes available.



Features

- Provides high reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red green) LED driven by the control panel

Specification

Power Supply	15-40 V
Average Current Consumption	I=120 uA
LED Current Consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
End-of-Line Resistor	(Reol): 27Kohm
Alarm resistor	(Rw): 10Kohm
Dimensions H x W x D mm	85 x 85 x 30
Weight grams	200
IP Rating	21C

Order Codes and Options

20-VMI100-ADV:	AV Monitored Single Input Module
20-MB100-ADV:	Mounting box 25 mm
20-DMB100-ADV:	Mounting box 47 mm

Single Monitored Output Module

The Axis single output modules are loop powered, designed around a fully digital protocol and provides control by closing contacts of auxiliary devices such as fire shutters.

The output channel is monitored and will detect Open and Short circuit conditions.

The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25mm or deep 47mm mounting boxes available.



Features

- Short circuit isolators in each device to the requirements of EN54- 17
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red green) LED driven by the control panel

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power Supply	15-40 V
Average Current Consumption	I=120 uA
LED Current Consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Relay Switching Characteristic	I=2A V=30Vdc
End-of-line resistor	(Reol): 27Kohm
Dimensions H x W x D mm	85 x 85 x 30
Weight grams	200
IP Rating	21C

Order Codes and Options

20-VMC100-ADV:	AV Monitored Output Module
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Single Relay Output Module

The Axis single channel output modules are loop powered, designed around a fully digital protocol and provides form C changeover contacts for control of auxiliary devices such as fire shutters.

The output channel is a normally de-energised relay switched on by a command from the control panel.

The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25 mm or deep 47 mm mounting boxes available.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red/green) LED driven by the control panel

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power Supply	15-40 V
Average Current Consumption	I=120 uA
LED Current Consumption	Iled=6 mA @24 Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Relay Switching Characteristic	I=2 A V=30 Vdc
Dimensions H x W x D mm	85 x 85 x 30
Weight grams	200
IP Rating	21

Order Codes and Options

20-VMC120-ADV:	Wall Mounting Single Relay Output Module
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Single Monitored Input / Output Module

The Axis single input and output modules are loop powered and designed around a fully digital protocol. Each module allows monitoring of fire alarm and auxiliary devices and provides control by closing contacts of auxiliary devices such as fire shutters.

The input channel is monitored and will detect Normal / Short / Alarm and Open conditions. The output channel is also monitored and will detect Open and Short circuit conditions.

The unit provides fast alarm and fault signalling, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25mm or deep 47mm mounting boxes available.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red green) LED driven by the control panel

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power Supply	15-40 V
Average Current Consumption	I=120 uA
LED Current Consumption	Iled=6mA @24Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Relay Switching Characteristic	I=2A V=30Vdc
End-of-line resistor	(Reol): 27Kohm
Alarm resistor	(Rw): 10Kohm
Dimensions H x W x D mm	85 x 85 x 30
Weight grams	200
IP Rating	21C

Order Codes and Options

20-VMIC100-ADV:	Wall Mounting Single Input & Single Supervised Output Module
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Single Monitored Input / Relay Output Module

The Axis single input and relay output modules are loop powered and designed around a fully digital protocol. Each module allows monitoring of fire alarm and auxiliary devices and provides form C changeover contacts for control of auxiliary devices such as fire shutters.

The input channel is monitored and will detect Normal / Short / Alarm and Open conditions. The output channel is a normally de-energised relay switched on by a command from the control panel.

The unit provides fast alarm and fault signalling, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25 mm or deep 47 mm mounting boxes available.



Features

- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a hand held programmer
- Digital checking of double address
- Line quality information
- Bicolour (red/green) LED driven by the control panel

Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006
- Approved by BRE/LPCB and certified by the UAE Civil Defence

Specification

Power Supply	15-40 Vdc
Average Current Consumption	I=120 uA
LED Current Consumption	Iled=6 mA @24 Vdc
Operating Temperature Range	-30°C / +70°C
Humidity (non condensing)	95% RH
Nominal Relay Switching current	I=2 A V=30 Vdc
End-of-line resistor	(Reol): 27 kohm
Alarm resistor	(Rw): 10 kohm
Dimensions H x W x D mm	85 x 85 x 30
Weight grams	200
IP Rating	21

Order Codes and Options

20-VMIC120-ADV:	Wall Mounting Single Input and Single Relay Output Module
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Multi Monitored Input / Relay Output Modules

The multi-channel Module series is a family of microprocessor controlled interface devices permitting the monitoring and control of auxiliary equipment.

The modules are a loop powered device, designed around our fully digital AV protocol.

The 20-VMIC404-ADV provides 4 single channel monitored input contacts and 4 volt free 'form C' changeover contacts for monitoring and control of auxiliary devices such as fire curtains/shutters.

The 20-VMIC422-ADV provides 4 single channel monitored input contacts, 2 supervised output contacts and 2 volt free 'form C' changeover contacts.

The 20-VMIC602-ADV provides 6 single channel monitored input contacts and 2 volt free 'form C' changeover contacts.

The modules provide a fast and secure response, and incorporates a bidirectional short circuit isolator. Connections are made using fixed terminal blocks which will accept conductors up to 2.5 mm². All units are supplied in an IP65 Rated enclosure.

These features not only aid commissioning and cut down on expensive ancillary hardware but also allow the system to be easily configured to provide additional inputs & outputs for the more complex cause and effect configurations.



Features

- Each input/output individually programmable
- Optional fail-safe setup
- Loop driven
- IP65 rated enclosure

Standards and Approvals

- EN54-17:2005
- EN54-18:2005
- Approved by IMQ

Specification

Power Supply	18V to 40 Vdc
Average Current Consumption	I=500 μ A
Monitored Input (Rsw)	10 k Ω
Monitored Input/Output (Reol)	27 k Ω
Supervised Output	24 Vdc, 30 Vdc
Form C Relay	2A, 30V AC/DC
Humidity (non condensing)	85% RH
Operating Temperature Range	-30°C to +70°C
Dimensions (H x W x D)	210 x 170 x 65 mm
Weight	470 g
IP Rating	65

Order Codes and Options

20-VMIC404-ADV:	4 single channel monitored input contacts and 4 volt free 'form C' changeover contacts
20-VMIC422-ADV:	4 single channel monitored input contacts, 2 supervised output contacts and 2 volt free 'form C' changeover contacts
20-VMIC602-ADV:	6 single channel monitored input contacts and 2 volt free 'form C' changeover contacts

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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.

Conventional Zone Module

The Axis conventional zone monitor allows a zone of conventional detectors to be interfaced to an Axis intelligent loop. The zone can be powered from the analogue loop or from an external power supply - selection is made by two jumper switches.

The current limitation of the zone circuit is programmable and adjustable by the control panel. The unit is able to identify all conditions on the conventional zone such as normal, open circuit, short circuit and alarm. In addition it monitors the power supply of the detection line - external or loop.

The unit provides fast and secure signalling, and incorporates a bidirectional short circuit isolator. A single changeover relay output is provided which can be switched on by a command from the control panel. This can be used for example, to provide a reset to certain conventional devices.

The communication loop is fully isolated from the zone circuit and external power supply.

The module is designed to be compatible with the majority of well known European conventional detectors.



Features

- Provides high reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Adjustable current limit and reset pulse duration via the control panel
- Digital checking of double address
- Programmable relay output
- Line quality information

Standards and Approvals

- EN54-17:2005
- EN54-18:2005
- Approved by IMQ

Specification

Power Supply	20-40 V
Average Current Consumption	I=120 uA
Standby Current	500uA
Power Up Time	2 sec
Operating Temperature Range	-10°C / +55°C
Humidity (non condensing)	85% RH
Zone End of line device	Capacitor (Ceol): 4.7uF - 50v
Conventional Zone Current Threshold	6 to 20mA (Alarm Threshold 2.5 to 15mA)
Relay Nominal Switching Current	I=2A V=30Vdc (0.5A - 125VAC)
Dimensions H x W x D mm	93 x 130 x 58
Weight grams	190
IP Rating	IP54

Order Codes and Options

20-VMCZ100-ADV:	Conventional Zone Module
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