AMG250 Series
Industrial Media Converter

Installation Manual - Hardware

Proud to be a British Manufacturer
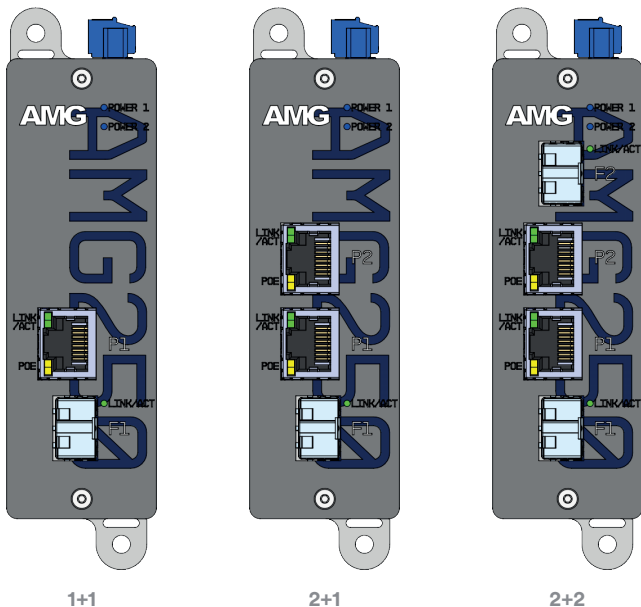
AMG

www.amgsystems.com

/ AMG250 SERIES MODELS

| 1+1 | 2+1 | 2+2 |

1+1 Single channel media converter with 1 x RJ45 and 1 x SFP (optional IEEE 802.3at 30W or 802.3bt 60/90W PoE)

2+1 Single channel media converter with 2 x RJ45 and 1 x SFP (optional IEEE 802.3at 30W or 802.3bt 60/90W PoE)

2+2 Dual channel media converter with 2 x RJ45 and 2 x SFP (optional IEEE 802.3at 30W or 802.3bt 60/90W PoE) (operates as two individual media converters not a switch)
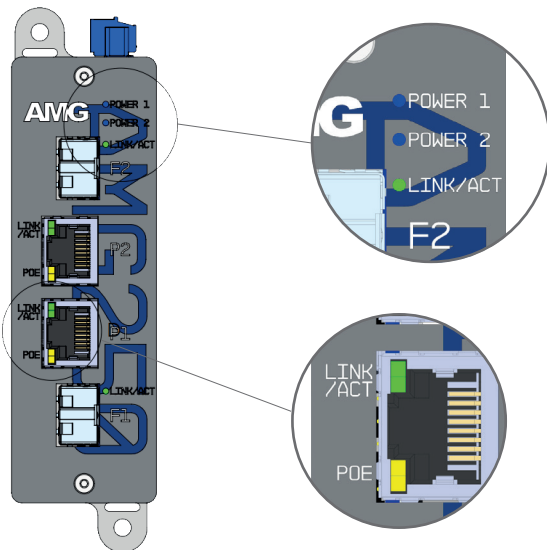
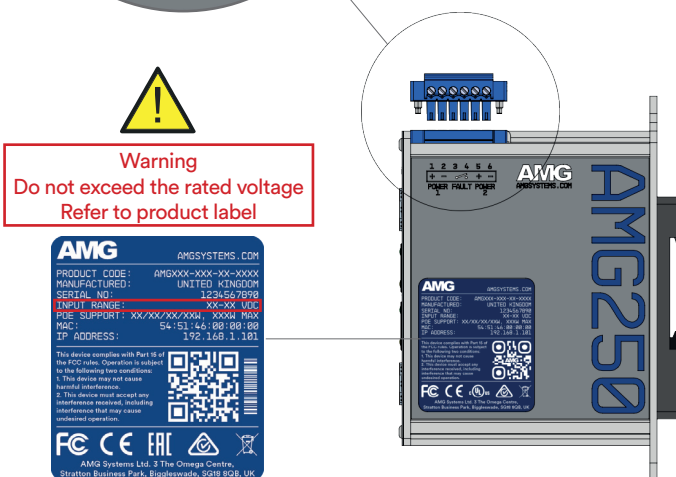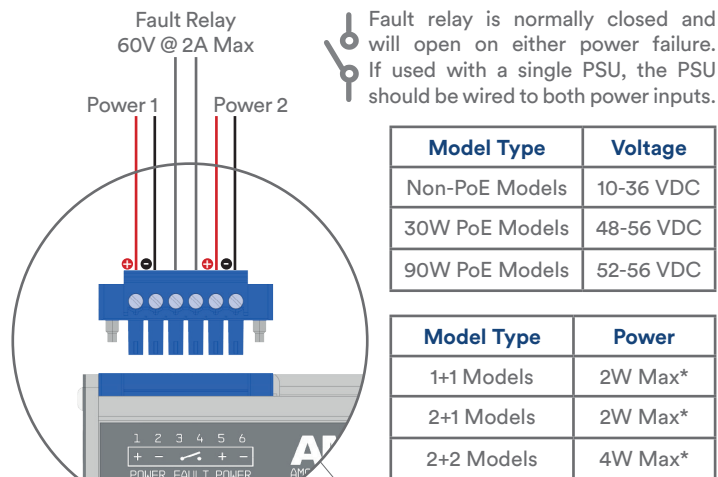## / DIN RAIL MOUNT INSTALLATION

ON

OFF
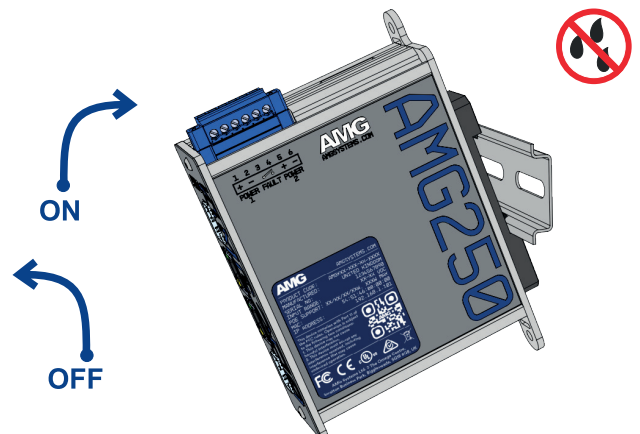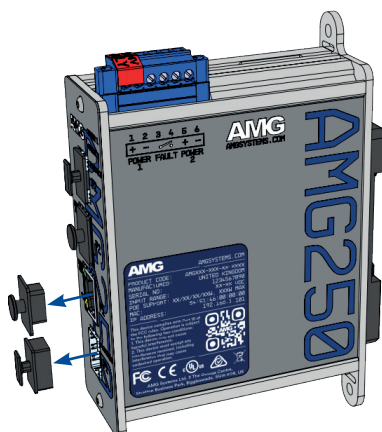
/ SURFACE MOUNT INSTALLATION

① Remove DIN rail clip by unscrewing the two fixing screws as shown.

② Fix the unit to the surface using two appropriate screws (not provided)

LED INDICATORS

LED	Colour	Description
POWER 1	Blue	DC input present on power 1
POWER 2	Blue	DC input present on power 2
SFP LINK/ACT	Off	No SFP link connection
	Green	SFP link present (flashes with data traffic activity)
RJ45 LINK/ACT	Off	No Ethernet link connection
	Green	Ethernet link present (flashes with data traffic activity)
POE	Off	No PoE being supplied
	Yellow	PoE is being delivered on the port

POWER

Fault Relay
60V @ 2A Max

Power 1   Power 2

Fault relay is normally closed and will open on either power failure. If used with a single PSU, the PSU should be wired to both power inputs.

Model Type	Voltage
Non-PoE Models	10-36 VDC
30W PoE Models	48-56 VDC
90W PoE Models	52-56 VDC

Model Type	Power
1+1 Models	2W Max*
2+1 Models	2W Max*
2+2 Models	4W Max*

*Excludes PoE Load

⚠️

Warning
Do not exceed the rated voltage
Refer to product label
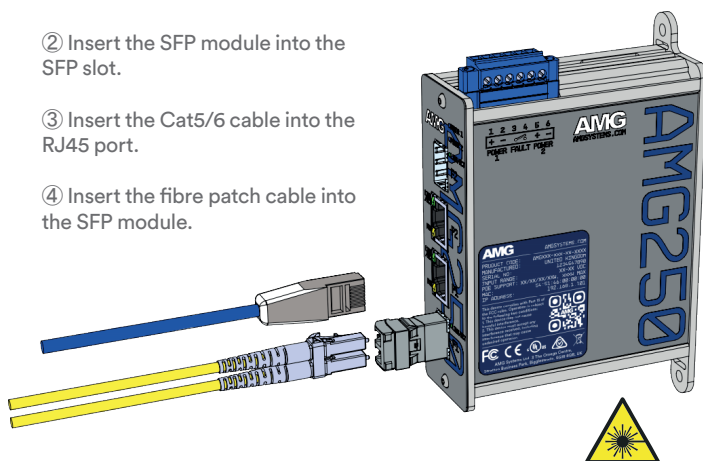
INTERFACE CONNECTIONS

① Remove the dust caps from the RJ45 and SFP ports of the channel that is to be connected.

② Insert the SFP module into the SFP slot.

③ Insert the Cat5/6 cable into the RJ45 port.

④ Insert the fibre patch cable into the SFP module.

PORT SPEEDS

Example part code:

AMG250-2**G**AT-2S-P60

Character	RJ45 Port Speed	SFP* Port Speed
F	10/100 Base-T(X)	100/1000 Base-FX
G	10/100/1000 Base-T(X)	

*SFP's supplied separately. Refer to AMG SFP Datasheet for available models

POE CAPABILITIES

Example part code:

AMG250-2G**AT**-2S-**P60**

Characters	PoE Standard Supported
None	Non-PoE Model
AT	IEEE 802.3at 30W Per Port
BT	IEEE 802.3bt 60/90W Per Port

Characters	PoE Budget
P30	30W Max
P60	60W Max
P90	90W Max
P180	180W Max

Check the product label to determine the PoE power supported on each port and the units total maximum PoE budget.

Ensure PSU size used is at least equal to the maximum PoE budget figure.

IEEE 802.3at Models
Type 1 & 2 PoE supported
Mode A PSE only

IEEE 802.3bt Models
Type 1, 2, 3 & 4 PoE supported
Mode A and/or Mode B PSE