/ INTERFACE CONNECTIONS

(1) Insert the SFP module into the SFP slot(s).

2 Insert the Cat5/6 cable into the RJ45 port(s).

3 Insert the fiber patch cable(s) into the SFP module(s).



/ PORT SPEEDS

Example part code:



Character	RJ45 Port Speed	SFP* Port Speed	
F	10/100 Base-T(X)	400 (4000 B FV	
G	10/100/1000 Base-T(X)	100/1000 Base-FX	

^{*}SFP's supplied separately. Refer to AMG website and SFP Datasheets for available models.

/ POE CAPABILITIES

Example part code:



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

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

cters	PoE Standard Supported	Characters	PoE Budget
ne	Non-PoE Model	P30	30W Max
Г	IEEE 802.3at 30W Port	P90	90W Max
Г	IEEE 802.3bt 60/90W Port	PD	Class 1 PD

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

IEEE 802.3at Models

Type 1 & 2 PoE support Mode A PSE only

IEEE 802.3bt Models

Type 1, 2, 3 & 4 PoE support. Mode A and/or Mode B PSE











Installation Manual - Hardware





/ DIN RAIL MOUNT INSTALLATION







/ SURFACE MOUNT INSTALLATION

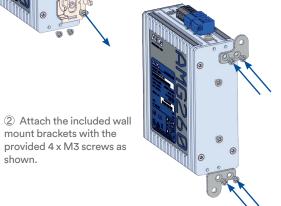


mount brackets with the

shown.

provided 4 x M3 screws as

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



③ Fix the unit to the surface using two appropriate screws (screws not provided)

This page is intentionally left blank

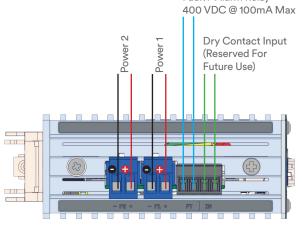
This page is intentionally left blank

/ POWER

Fault relay is normally closed and will open on either power failure or fault condition depending on the position of DIP switch 10. Refer to DIP switch 10 details on page 8.

Fault / Alarm Relay

Model Type	Voltage
Non-PoE Models	12-56 VDC
30W PoE Models	48-56 VDC
90W PoE Models	52-56 VDC



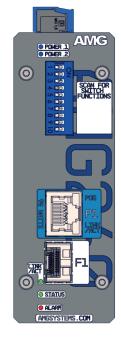
Model Type	Power
DC Models	2.5W Max*
PD Model	802.3af Class 1

*Excludes PoE Load



Warning
Do not exceed the rated voltage
Observe correct voltage polarity

/ LED INDICATORS



LED	Colour	Description
POWER 1	Blue	DC input present on Power 1
POWER 2	Blue	DC input present on Power 2
STATUS	Green	Unit CPU operating correctly
ALARM	Red	Alarm condition triggered
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)
RJ45 POE	Flashing	No PoE being supplied
	Yellow	PoE is being delivered
RJ45	Off	No PoE input detected
PD	Yellow	PoE input is active

/ IP RATING





To maintain the units IP40 rating any screw holes that are not used should still have their screws installed as shown in green above.

/ EARTH PROTECTION



To provide correct protection from ESD and Surge events ensure that the unit is correctly earthed using the provided earth connection point in accordance with local electrical codes & standards. (cable not provided)

/ DIP SWITCH 10 - FAULT RELAY MODE



The Fault Relay Mode provides two different operation modes for the fault relay. Fault relay is normally closed and will open on fault condition. The specific fault conditions which operate the fault relay are dependent on the position of DIP switch 10 as described below:

The Fault / Alarm Relay is rated to 400 VDC @ 100mA Max.

Low On-Resistance of 8Ω typical.

Exceeding the rated voltage or current will damage the device.

DIP Switch 10 - OFF Position

In this mode the AMG260 media converter fault / alarm relay output operates only as a power failure relay.

The unit will continually monitor which power inputs are connected. If only a single PSU is connected to either Power 1 or Power 2 then the unit will trigger the fault relay if this power input fails.

If dual power inputs are being used and both Power 1 and Power 2 are connected the unit will monitor for a failure of either power input and trigger the alarm relay on loss of either power input. In this case the AMG260 will remain active powered by the remaining power input.

If the power supply input is restored the fault relay will clear and return to it's default normally closed state.

DIP Switch 10 - ON Position

In this mode the AMG260 media converter fault / alarm relay output operates as a power failure relay (as described in the above section) and also as a fault condition relay as described below.

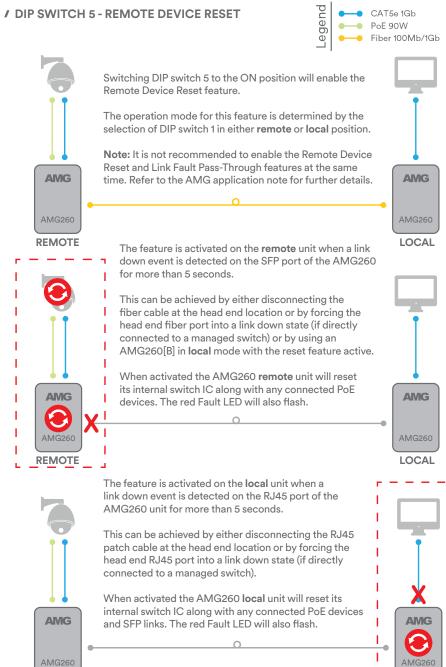
In this mode the fault relay will also be triggered by any of the below fault conditions:

- SFP Link Loss
- Link Fault Pass-Through Triggered
- Remote Device Reset Triggered

In these modes the fault relay will change to open circuit for the same duration as the red alarm LED on the AMG260 unit. For some conditions this will be a momentary relay change in line with the alarm LED display. The connected device will need to be able to react to momentary relay changes in these modes.

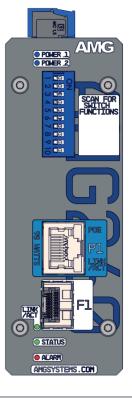
For SFP Link Loss to be correctly monitored the SFP module should be installed into the AMG260 media converter before power is applied to the unit. If the SFP module is changed then the AMG260 unit should be power cycled to ensure correct fault monitoring.

REMOTE



LOCAL

/ DIP SWITCHES



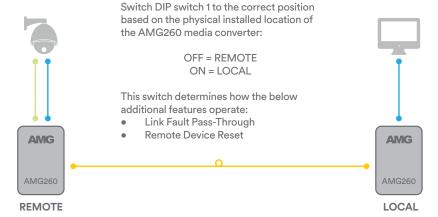




For detailed DIP switch information refer to the following pages in the manual or scan the above QR code or visit the AMG support webpage: amg-support.com/AMG260DIP

Switch	Description	
1	Remote / Local Device Mode	
2	Link Fault Pass-Through	
3	P1 250M Extended Distance Mode	
4	Reserved	
5	Remote Device Reset	
6	Reserved	
7	Reserved	
8	Reserved	
9	Reserved	
10	Fault Relay Mode	

/ DIP SWITCH 1 - REMOTE/LOCAL DEVICE MODE

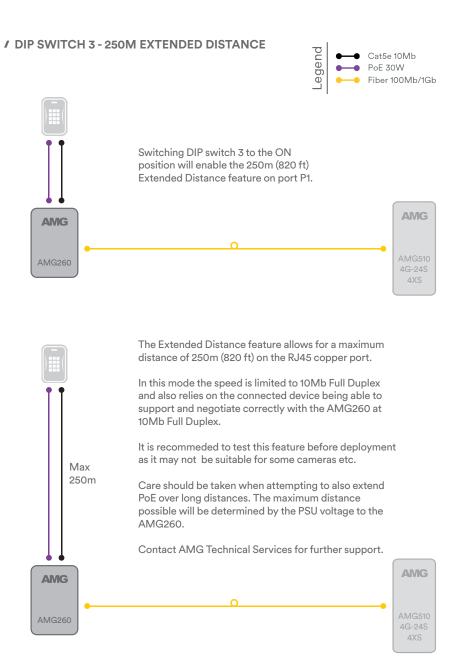


/ DIP SWITCH 2 - LINK FAULT PASS-THROUGH PoE 90W Fiber 100Mb/1Gb Switching DIP switch 2 to the ON position will enable the Link Fault Pass-Through feature. The operation mode for this feature is determined by the selection of DIP switch 1 in either remote or local position. Note: It is not recommended to enable the Link Fault Pass-Through and Remote Device Reset features at the same AMG AMG time. Refer to the AMG application note for further details. AMG260 AMG260 **REMOTE** LOCAL The feature is activated on the remote unit when a link down event is detected on the RJ45 port of the AMG260 unit for more than 5 seconds. This could be caused by an edge device fault such as a camera going offline, a copper cable fault or a power issue to the edge device. When activated the AMG260 remote unit will manually force its SFP port into a link down state. The red Fault AMG **AMG** LED will also flash to indicate the failure. AMG260 **REMOTE** LOCAL The feature is activated on the local unit when a link down event is detected on the SFP port of the AMG260 unit for more than 5 seconds. This could be caused by a fiber cable fault, a power issue to the edge device(s) or be triggered by the LFPT feature on a remote AMG260 series device. When activated the AMG260 local unit will manually force its RJ45 port into a link down state. The red Fault

LED will also flash to indicate the failure.

AMG

LOCAL



AMG

REMOTE