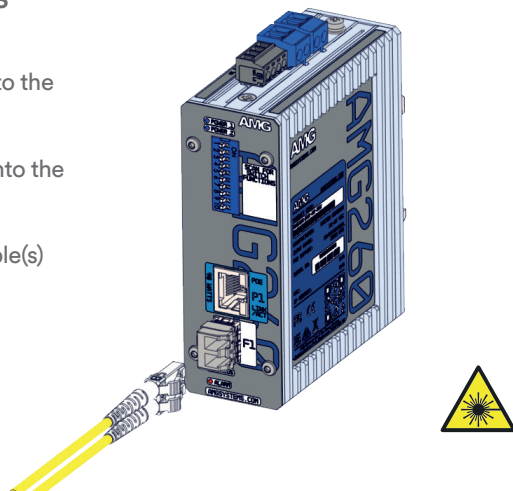


/ INTERFACE CONNECTIONS

- 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:

AMG260-1GAT-1S-P30

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 website and SFP Datasheets for available models.

/ POE CAPABILITIES

Example part code:

AMG260-1GBT-1S-P90

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

Characters	PoE Standard Supported	Characters	PoE Budget
None	Non-PoE Model	P30	30W Max
AT	IEEE 802.3at 30W Port	P90	90W Max
BT	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

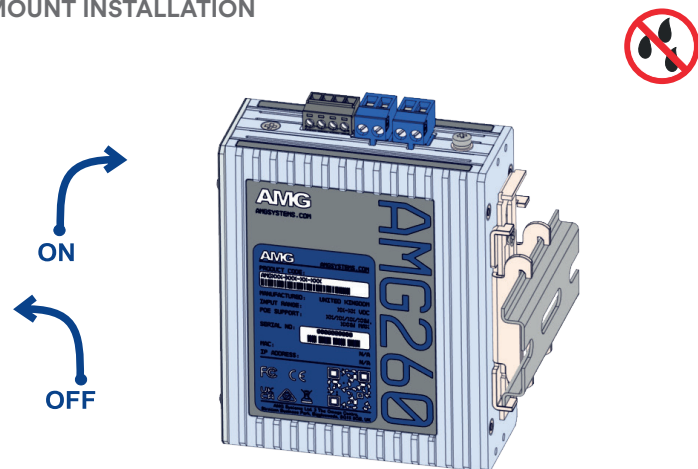
AMG260 1+1 Series Industrial Media Converter

Installation Manual - Hardware

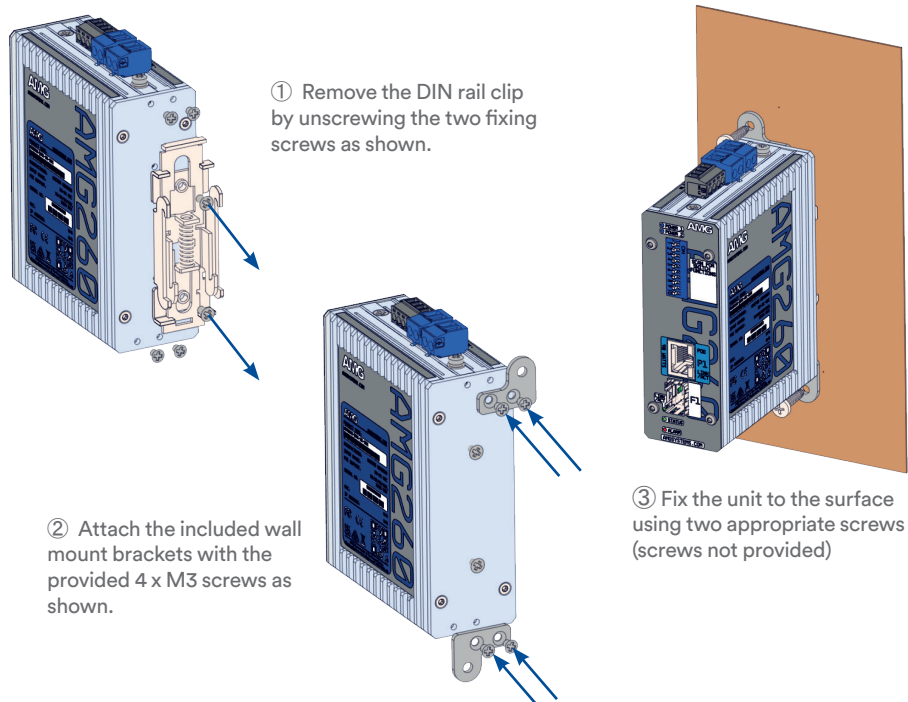
AMG
amgsystems.com

AMG260

/ DIN RAIL MOUNT INSTALLATION




/ SURFACE MOUNT INSTALLATION



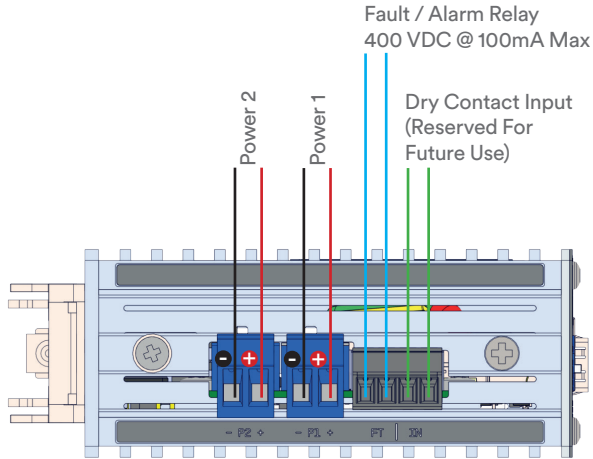
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/ POWER

 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.

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



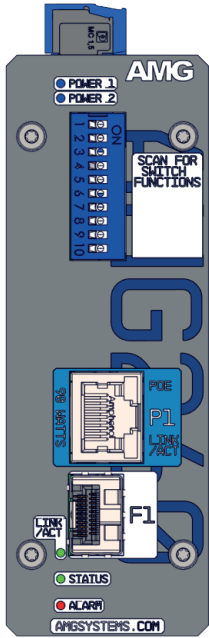
Model Type	Power
DC Models	2.5W Max*
PD Model	802.3af Class 1

*Excludes PoE Load



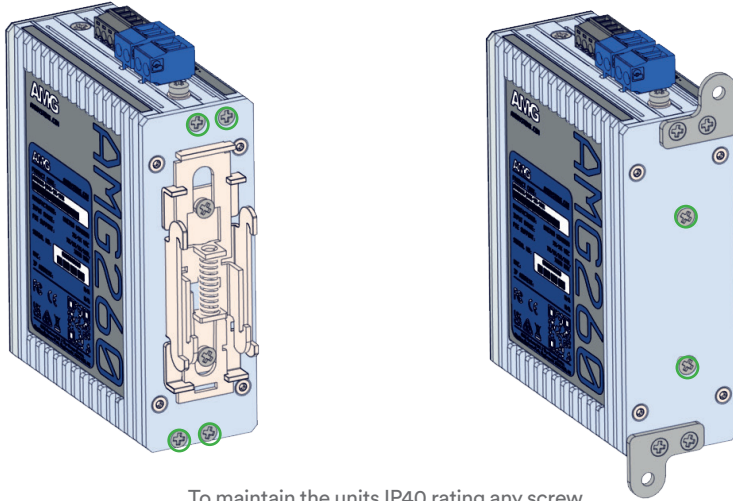
Warning
Do not exceed the rated voltage
Observe correct voltage polarity

/ LED INDICATORS



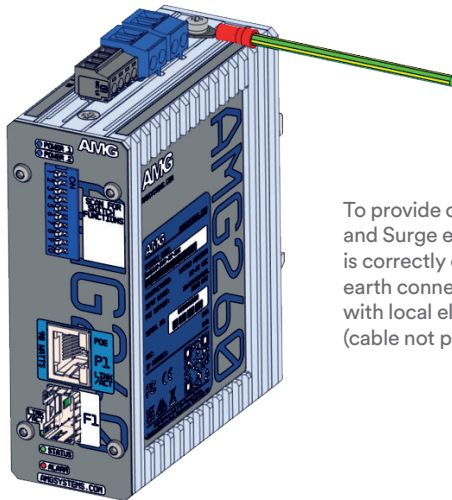
LED	Colour	Description
POWER 1	Blue	DC input present on Power 1
POWER 2	Blue	DC input present on Power 2
STATUS	Green	Unit CPU operating correctly
ALARM	Red	Alarm condition triggered
SFP LINK/ACT	Off	No SFP link connection
	Green	SFP link present (flashes with data traffic activity)
RJ45 LINK/ACT	Off	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 PD	Off	No PoE input detected
	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 dependant 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.

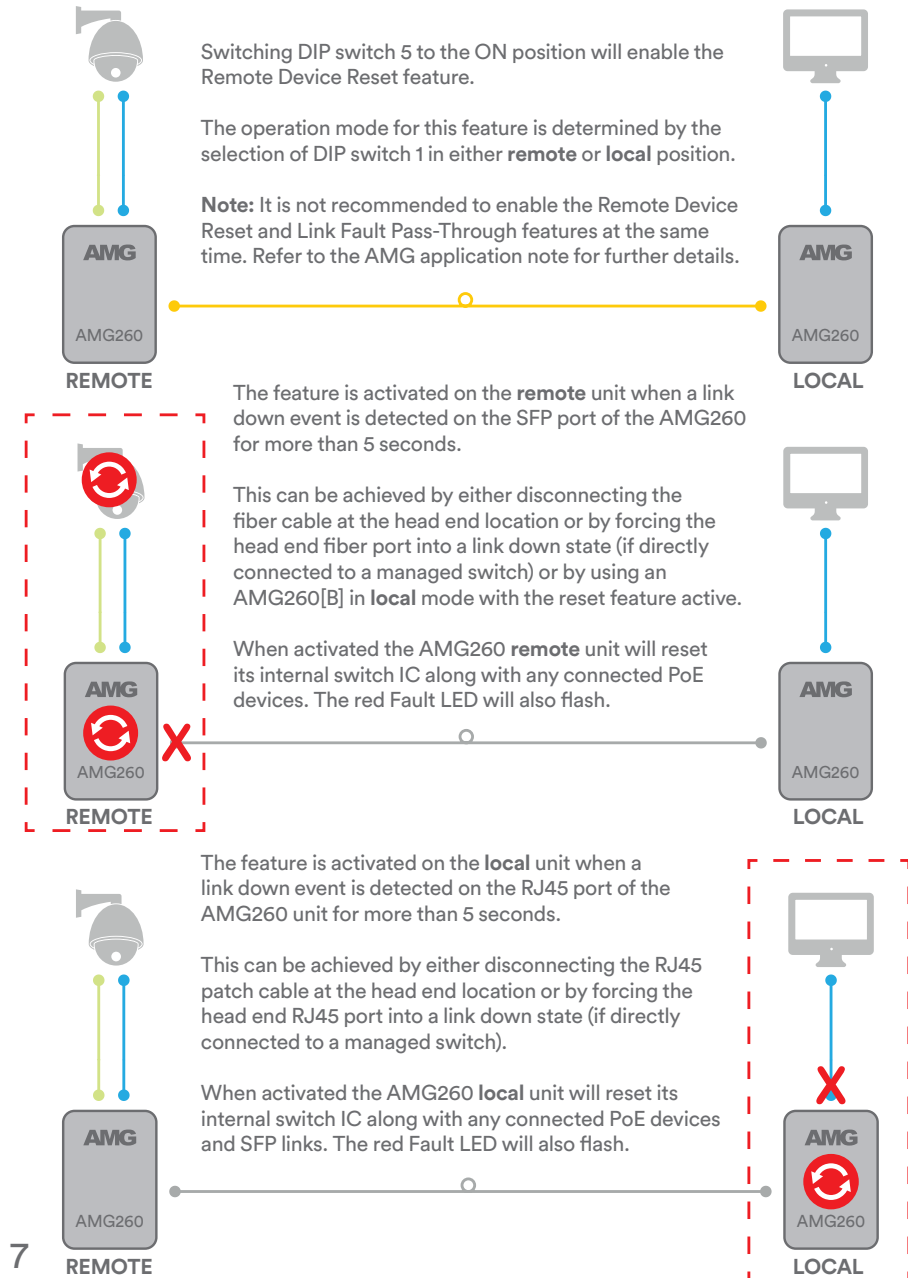
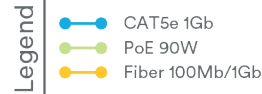
In this mode the fault relay will also be triggered by any of the below fault conditions:

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

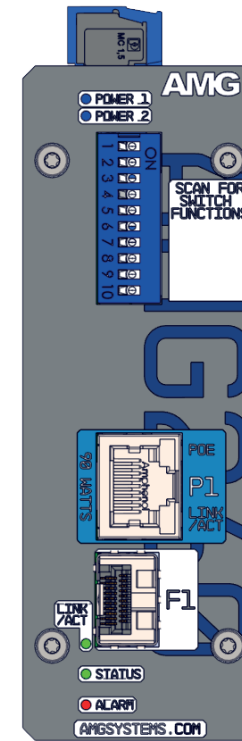
In these modes the fault relay will change to open circuit for the same duration as the red alarm LED on the AMG260 unit. For some conditions this will be a momentary relay change in line with the alarm LED display. The connected device will need to be able to react to momentary relay changes in these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

/ DIP SWITCH 5 - REMOTE DEVICE RESET



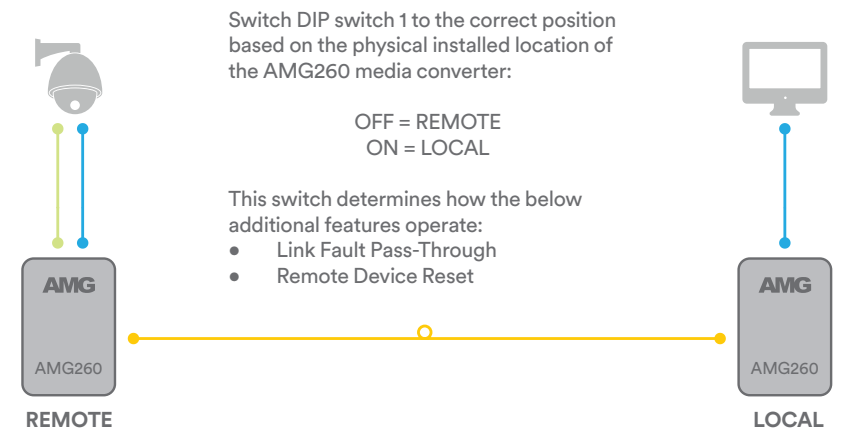
/ DIP SWITCHES



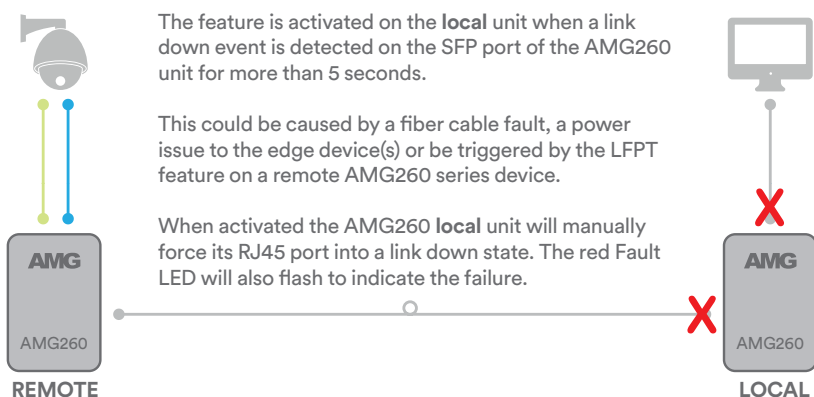
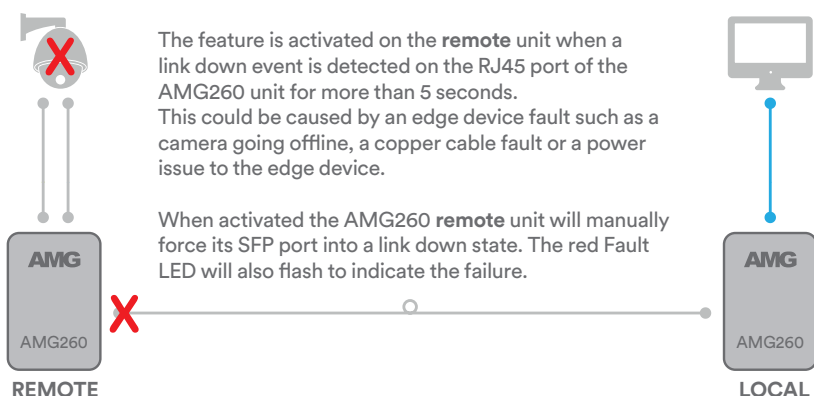
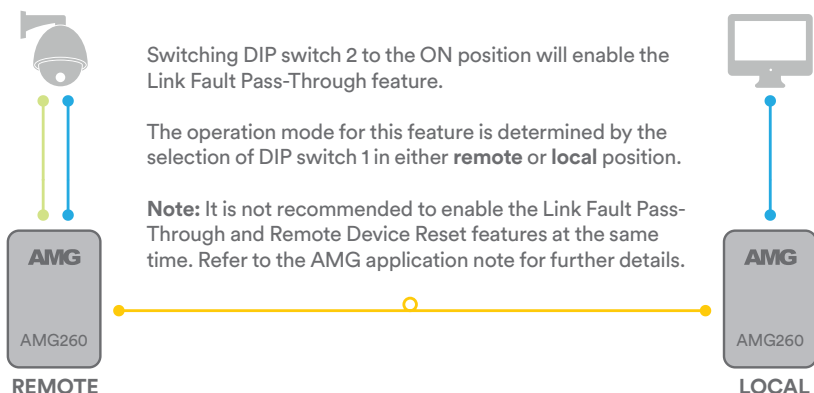
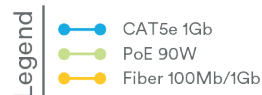
For detailed DIP switch information refer to the following pages in the manual or scan the above QR code or visit the AMG support webpage: amg-support.com/AMG260DIP

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



/ DIP SWITCH 3 - 250M EXTENDED DISTANCE

