


AMG155 Series Industrial PoE Injector

Installation Manual - Hardware

AMG155

Proud to be a British
Manufacturer 

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AMG155 SERIES INCLUDED ACCESSORIES



AMG155 PoE Injector

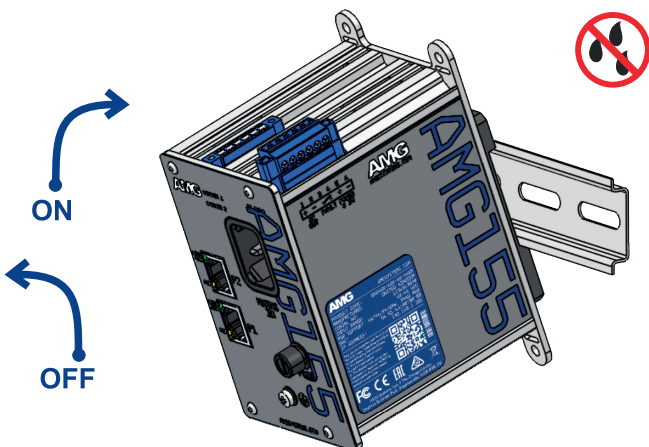


Region Specific Line Cord
Left Angle (UK/EU/US/AUS)

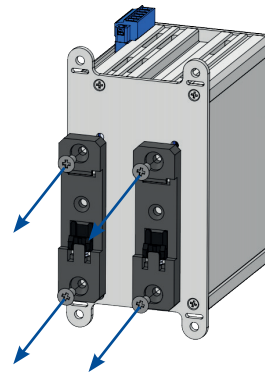


2 x DIN Rail Mounting Clips

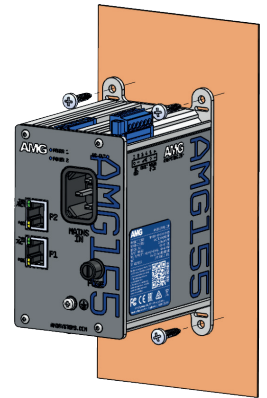
DIN RAIL MOUNT INSTALLATION



SURFACE MOUNT INSTALLATION

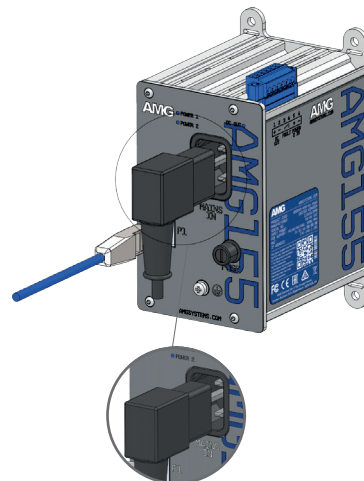


① Remove 2 x DIN rail clips by unscrewing the four fixing screws as shown.



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

MAINS POWER INTERFACE



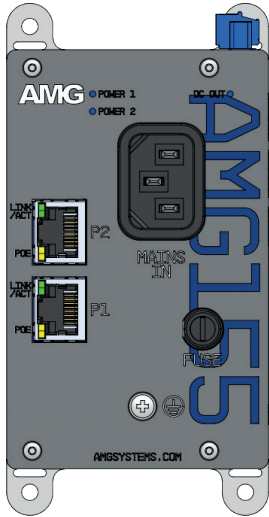
Mains Input	
Input Connector	IEC C14
Input Voltage	85-264 VAC or 100-370 VDC

Fuse	
3.15A/250V Slow-Blow	



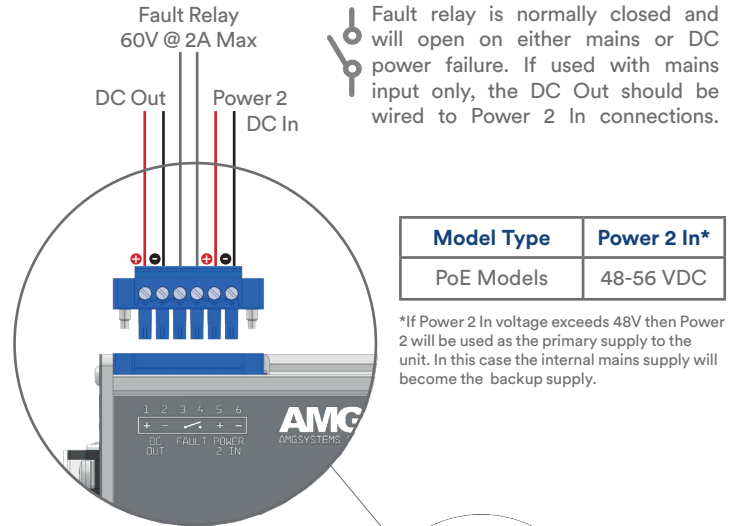
Warning High Voltage
Do not open product housing
No user servicable parts inside

LED INDICATORS



LED	Colour	Description
POWER 1	Blue	DC input present from mains psu
POWER 2	Blue	DC input present from power 2
DC OUT	Blue	Internal mains power supply ok
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

SCREW TERMINAL INTERFACE CONNECTIONS



Model Type	Power 2 In*
PoE Models	48-56 VDC

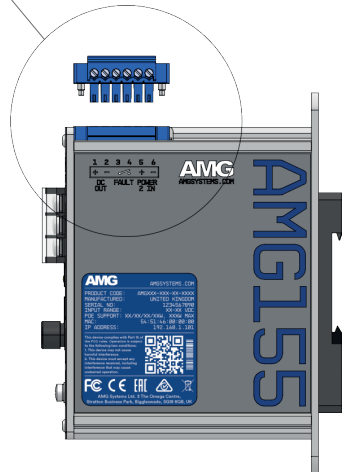
*If Power 2 In voltage exceeds 48V then Power 2 will be used as the primary supply to the unit. In this case the internal mains supply will become the backup supply.

Model Type	DC Out
PoE Models	48 VDC

Model Type	Internal PSU Size*
PoE Models	60W

Any power not used by the device itself can be used to power 3rd party equipment connected to the DC OUT terminals.

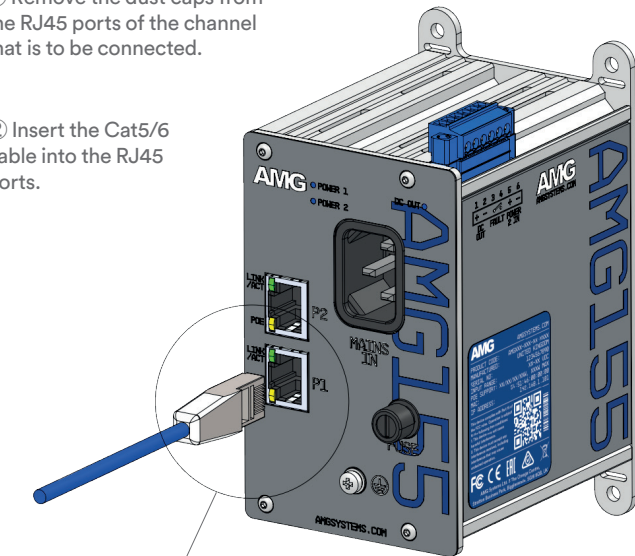
*Refer to the de-rating charts on the product data sheet for available power vs temperature.



RJ45 INTERFACE CONNECTIONS

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

② Insert the Cat5/6 cable into the RJ45 ports.



The unique AMG dual active port PoE function enables the AMG155 series to operate as standard single channel injectors where power is supplied out from a single port (P1 or P2) or provide PoE power out of both ports simultaneously allowing 2 devices to be powered (P1 & P2). For more details on this application please refer to the Application Drawing on the AMG155 series web page.

PORT SPEEDS

Example part code:

AMG155-2GAT-P60

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

POE CAPABILITIES

Example part code:

AMG155-2GAT-P60

Characters	PoE Standard Supported	Characters	PoE Budget
None	Non-PoE Model	P30	30W Max
AT	IEEE 802.3at 30W Per Port	P60	60W Max

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

If Power 2 DC input is being used ensure PSU size is at least equal to the maximum PoE budget figure.



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