AMG150 Series
Industrial PoE Injector

Installation Manual - Hardware

Proud to be a British Manufacturer
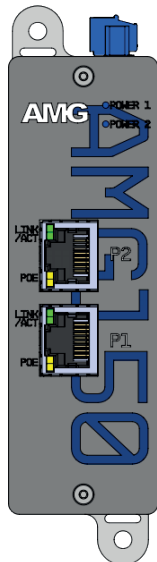
AMG
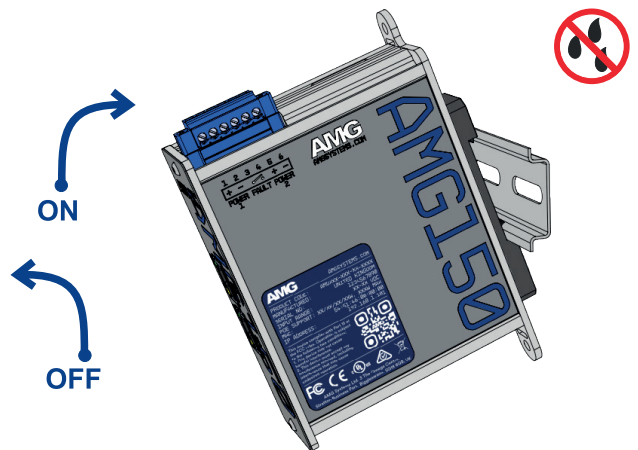
www.amgsystems.com

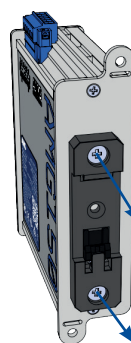## AMG150 SERIES MODELS

2+0

2+0 Industrial PoE Injector with 2 x RJ45 Ports
(Available with IEEE 802.3at 30W or 802.3bt 60/90W PoE)

The unique AMG dual active port PoE function enables the AMG150 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 AMG150 series web page.
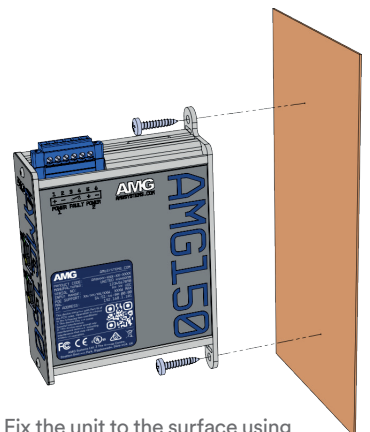
DIN RAIL MOUNT INSTALLATION

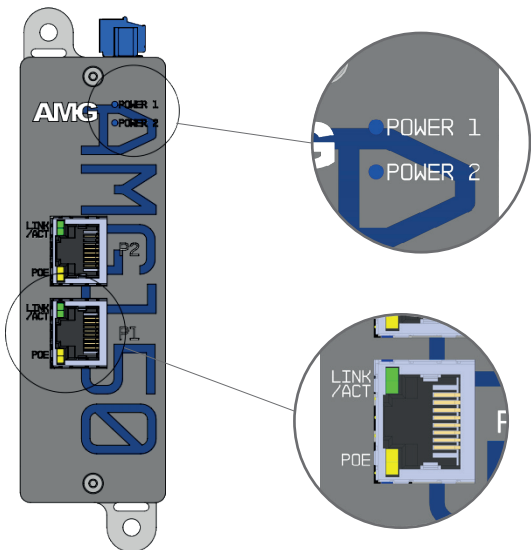

ON

OFF

SURFACE MOUNT INSTALLATION

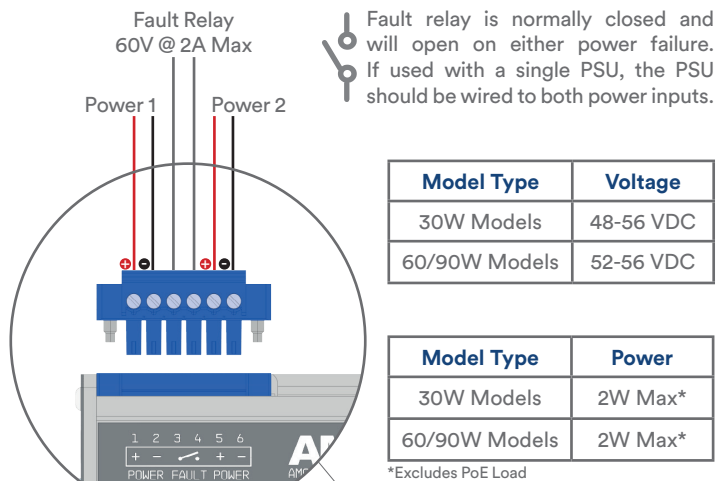① Remove DIN rail clip by unscrewing the two fixing screws as shown.

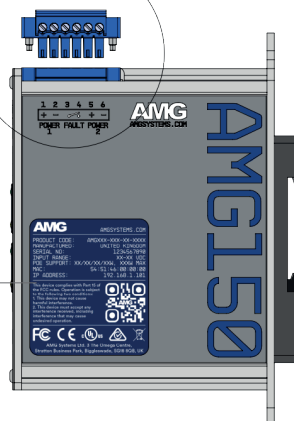② Fix the unit to the surface using two appropriate screws (not provided)

LED INDICATORS

LED	Colour	Description
POWER 1	Blue	DC input present on power 1
POWER 2	Blue	DC input present on power 2
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
30W Models	48-56 VDC
60/90W Models	52-56 VDC

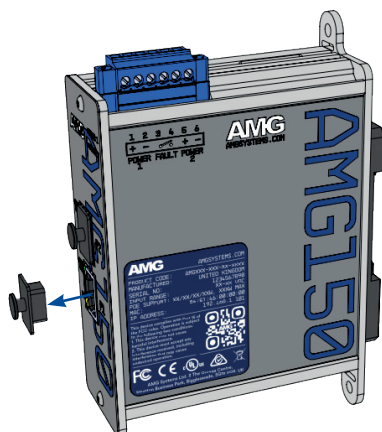| Model Type	Power
30W Models	2W Max*
60/90W Models	2W Max*

*Excludes PoE Load

Warning
Do not exceed the rated voltage
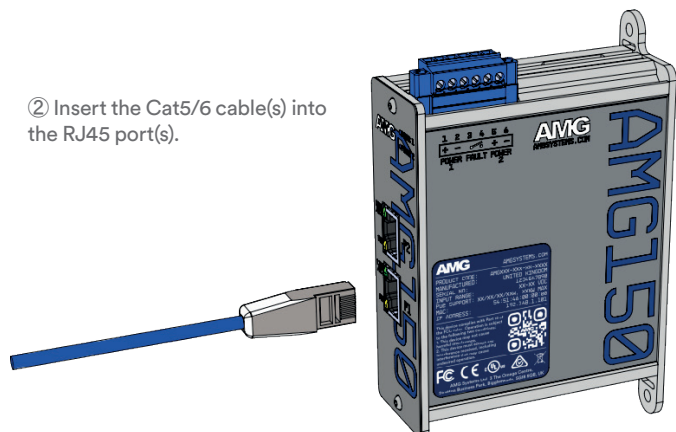**Refer to product label**

INTERFACE CONNECTIONS

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

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

PORT SPEEDS

Example part code:

AMG150-2GAT-P60

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

POE CAPABILITIES

Example part code:

AMG150-2GAT-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
BT	IEEE 802.3bt 60/90W Per Port	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