

DIN Rail PoE Injector System Installation Guide

Please see separate datasheets for module specifications.

The Redvision DIN Rail mount PoE Injector system consists of two parts:

RV-DIN-POE-PSU
240V AC PSU
(Output 48~59V DC)



RV-DIN-POE-INJ
90W PoE Injector
Data Port & Data + PoE Port



Cables and DIN Rail not supplied

1. Mount the units onto the DIN Rail (Rail not supplied).

2. Connect The 240V AC PSU module

The PSU module has two sets of connections: 240V AC Input (bottom of unit) and DC Output (Top of unit).



Caution – ensure the connections are made safely, using adequate cabling and observe wire polarity or serious, permanent damage will occur!

a. Connect the incoming mains wires to the INPUT connector at the bottom of the unit (minimum 0.75mm² wires recommended):



b. Connect a pair of wires to the DC Output connector, observing correct polarity (minimum 0.5mm² wires recommended). Use only one pair of connections:



3. Connect the PoE Injector Module

a. Connect the pair of DC wires from the PSU Module to the green connector on top of the injector; observing correct polarity:



4. Check the DC output from the PSU

a. Switch on the 240V AC Mains supply to the PSU module. Ensure that the power LEDs on the PSU and Injector modules illuminate and remain stable.

b. Using a Digital Voltage Meter, measure the DC output voltage from the PSU. The voltage will be somewhere between 48V DC and 59V DC. This is the PoE voltage that will supply your camera.

c. Using a plastic trimmer tool, adjust the DC output potentiometer to set the desired PoE supply voltage (**Tip: 53V DC is usually a good setting for most devices**). Do not exceed 57V DC or you may damage the camera/ network device (standard PoE voltage range is 48V DC to 57V DC).



DC Output Potentiometer

d. Monitor the DC output voltage for 30 seconds, ensure it is stable and as desired.

5. Connect the Incoming LAN Ethernet RJ45 connector to the DATA IN Port:



6. Connect the Camera Ethernet cable to the bottom port PoE OUT. The camera will power up:



Questions?

Please contact Redvision Technical Support on +44 (0) 1420 448 448 or techsupport@redvisioncctv.com