

IWC3065 Irisys Single Port Power Injector - Installation Guide

The Irisys Single Port Power Injector (IWC3065) allows simple deployment of power over CAT5 on a single channel (one discrete door) in order to provide power to the IP enabled counters in the Irisys 3000 Series. This allows use of a single CAT5 cable from the door/entrance back to the Network Switch without the need for an additional Power Cable. Note: this is NOT a Power over Ethernet (PoE) compliant device, and in use, will isolate the counter from any undesirable and detrimental PoE voltage levels. It is supplied with a suitable 24V power supply & power lead for your region. Order the correct variant as below:

- IWC3065UK – Single Port Power Injector, 24V Power Supply, and UK Power Lead
- IWC3065US – Single Port Power Injector, 24V Power Supply, and US Power Lead
- IWC3065EU – Single Port Power Injector, 24V Power Supply, and EU Power Lead

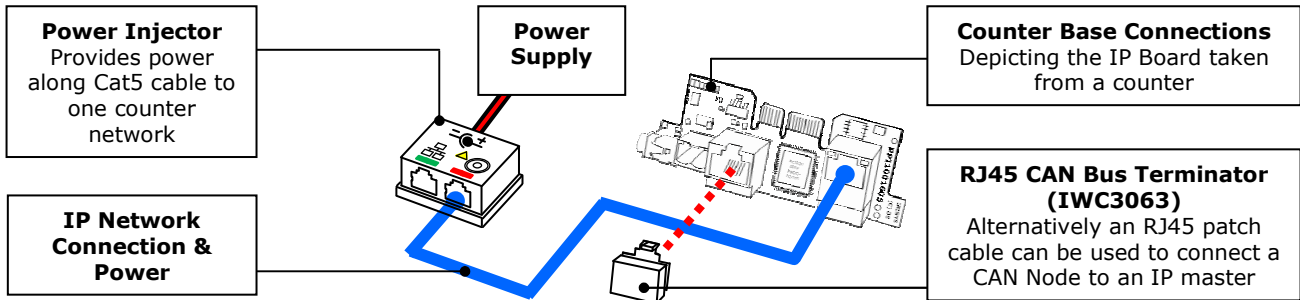


Fig. 1 - Power over CAT5 to IP Master

1 Installation

- 1.1 Install the Power Injector between the IP enabled Counter and the Network Switch to provide power along the CAT5 Cable. Do not connect any CAT5 Cables at this point – damage could be done to other Network equipment if cables are incorrectly connected.
- 1.2 Connect the CAT5 Cable from the Counter to the Port on the Power Injector labelled with the counter symbol.
- 1.3 Connect the Network connection from the Switch to the other Port, labelled with the Network symbol. If connecting directly to your Computer instead of through a Network device, then use a Crossover Cable here. The Power Injector utilises the spares wires on a standard IP Cable, therefore the maximum IP Cable length, from the Switch to the Master, of 100m applies.

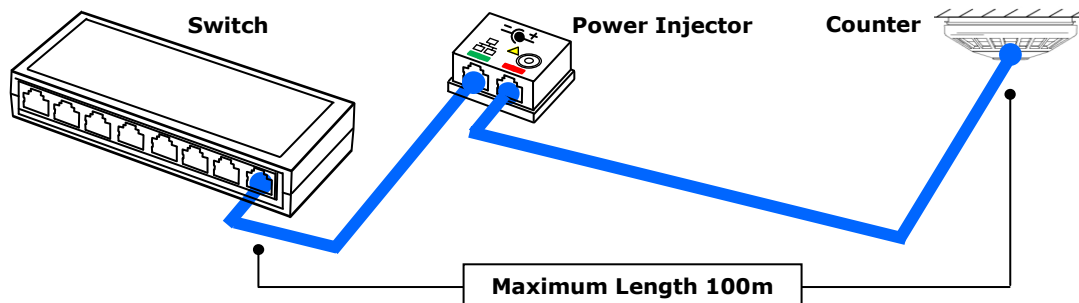


Fig. 2 - Maximum Cable length from switch to Counter

- 1.4 If connecting Counter Nodes to the IP Master, care should also be taken not to exceed the maximum number of Units connected to the Master (see Table below). Remember to connect the RJ45 CAN Bus Terminator to the last free RJ45 Socket on the Counter Network.

	Power Supply	Max. No. of Units
Power via Cat 5	15V	4
	24V (included)	5

- 1.5 Make a final check that the Cables are connected the correct way around – remember damage to your Network device may result if Power is sent the wrong way!
- 1.6 Now connect the included Power Supply and switch on. Ensure that the Counters have a single common ground.

! Note: Irisys People Counters do not support Power over Ethernet (PoE). If connected directly to a PoE enabled switch damage to the counter may result.

! Note: The Irisys Power Injector CANNOT be utilised in conjunction with RJ45 Port Splitters and Sharers. Damage could be done to your Network equipment!