

IWC3060 Irisys Four Port Power Injector - Installation Guide

The Irisys Four Port Power Injector (IWC3060) allows simple deployment of power over CAT5 on up to four channels (four discrete doors) 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.

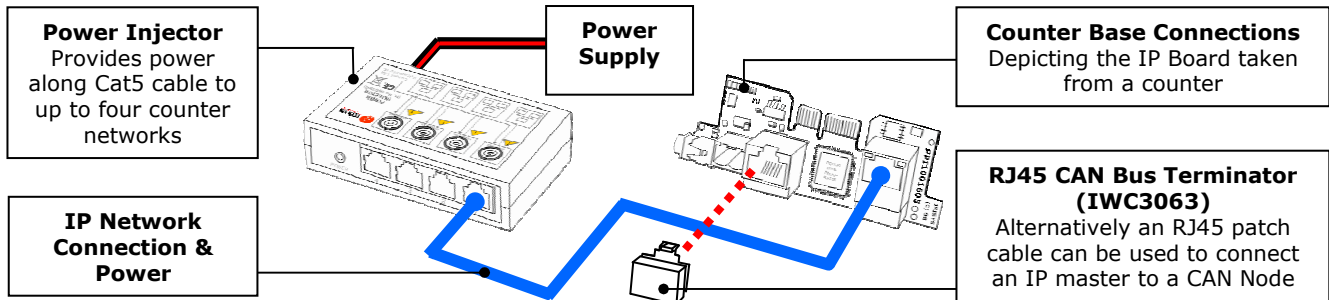


Fig. 1 - Power over CAT5 to IP Master

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 one of the Ports on the Power Injector labelled with the counter symbol.
- 1.3 Connect the Network connection from the Switch to the port indicated by the Network symbol which is opposite the corresponding Port used for the Counter connection. If connecting directly to your Computer instead of through a Network device, then use a Crossover Cable here. Continue in this way connecting Counters and corresponding Network connections as required – remember that this is not a switch; so each counter must have a corresponding network cable connection. The Power Injector utilises the spare wires on a standard IP Cable, therefore the maximum IP Cable length, from the Switch to the Master, of 100m applies.

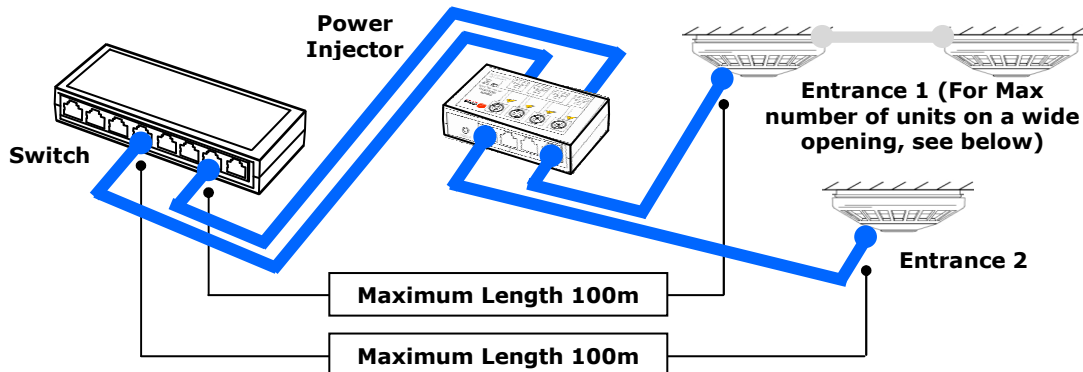


Fig. 2 - Maximum Cable length from switch to Counter

- 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	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 a suitable 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. Always disable PoE on any port that an Irisys People Counter is connected to!

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