

POEO30U/POEO75U Installation Manual

General - Please read the following precautions carefully before installing and connecting the system to a power source.

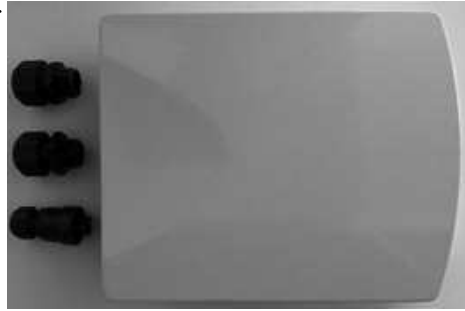
Note - Only qualified and trained service personnel (in accordance with IEC62368 and AS/NZS 3260) should install, replace, or service the equipment. Install the system in accordance with Country, National or to the U.S. National Electric Code if you are in the United States.

Precautions:

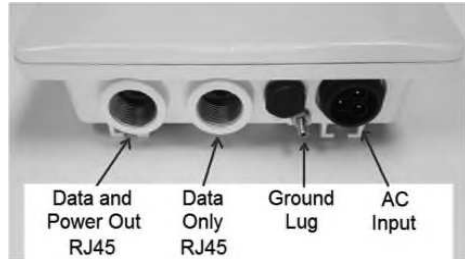
1. The building facilities in which the product will be used must provide Isolation to the main AC Input connector. This connection requires a fuse or circuit breaker no larger than 20A for 120 VAC (U.S.A.) or 16A, 230 VAC (international). The building facilities must protect the POEO30U/POEO75U Power injector from over current or short-circuits.
2. The POEO30U/POEO75U power injector enclosure is IP67 tested which provides degrees of protection against access to hazardous parts, dust and against ingress of water. Only qualified service personal should install, replace or service this equipment. Before connecting, visit “www.phihong.com” for the latest up to date specification and contact information.
3. The POEO30U/POEO75U power injector enclosure must be mounted vertically handle up position for wall mounting option.
4. The POEO30U/POEO75U power injector enclosure has 2 threaded ($\frac{3}{4}$ NPT) openings to accommodate Liquid Tight Cord Grip LTCG (provided) and one watertight AC input socket.
5. The POEO30U/POEO75U power injector comes with an AC input plug for connecting the AC power cord. The AC power cord 3 wire/cable must be SJTOO type or better cord 3*18AWG (0.75MM^2), 5-15P plug and EP030-2224-01 coupler or in accordance with Country, National Electric Code.
6. The POEO30U/POEO75U Power injector consists of “Data & Power” ports. The ports are providing TNV-1 outputs. The ports use RJ-45 data sockets. Do not connect telephone cables into these ports. Only RJ-45 data cables with waterproof / watertight connections may be connected to these sockets.
7. To prevent the POEO30U/POEO75U Power injector from overheating, do not operate the product in an area that exceeds the maximum recommended ambient temperature of -40 °C to +65 °C.
8. Do not work on the POEO30U/POEO75U Power injector or connect or disconnect cables, during periods of lightning activity.
9. The AC connector wire combination must be accessible at all times, as it serves as the main disconnect device to the product.
10. Before servicing the product, always disconnect the product from its AC source.
11. Equipment is for Pollution degree 2 Environment.
12. Disposal of this product should abide by all appropriate National laws and regulations.

Installation Instructions

- 1)The POEO30U/POEO75U Power Injector is packaged fully closed with two Liquid Tight Cord Grips (LTCG) for RJ45 ports and one AC power plug for AC power cord assembly.



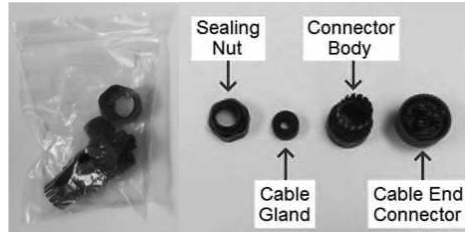
- 2)The ports and AC outlet arrangement.



- 3)AC power cord assembly.



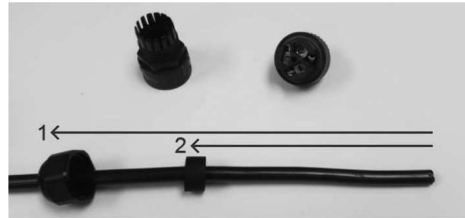
- 4)Locate Bag with 3pin Female Cable End



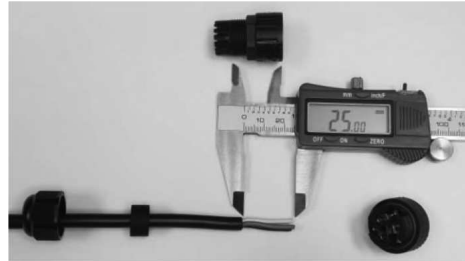
- 5)Prepare Line cord or AC Mains Hardwire



- 6)Slide Sealing nut 1st and cable Gland 2nd over Cable



- 7)If there is an outer jacket of cord, strip approximately 25mm (+/- 1mm) from the end



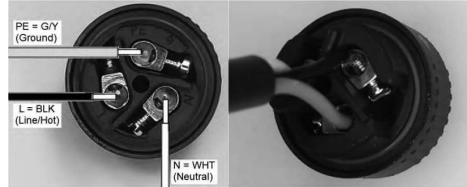
- 8)Install Connector Body and Strip each wire approximately 8mm (+/- 1mm) from the end



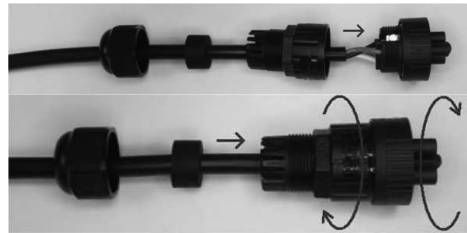
- 9)It is recommended (if possible) to prevent fraying of wires to tin each wire with solder



- 10)Insert wires to the proper location to Cable End



- 11)Screw Cable End into Connector Body and push cable gland into Connector Body



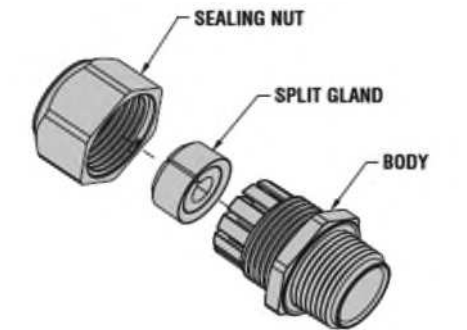
- 12)Screw Sealing Nut into Connector Body



- 13)Assembled AC Cord



- 14)Apply Liquid Tight Cord Grips (LTCG) to RJ45 Cable. LTCG consist of Sealing Nut, Split Gland and Body



Pass the cable termination through the Sealing Nut, apply Split Gland to the cable, and insert it into the LTCG body:



- 15)Optional: to better enable waterproof operation, it is recommended that installers use Teflon tape to cover threads before installation. Users may also wish to use silicon sealant to further protect from ingress of liquid.

16)Connecting the RJ45 Cable to the Power Injector

A - Insert RJ45 Cable into RJ45 socket at the Power Injector



B - Screw the LTGC Body onto the POEO30U/POEO75U Power Injector and tighten the LTGC Body with torque 40-45 in. lbs.(4,5-5,1 Nm)



C - Push Split Gland into the LTGC Body



D - Tighten the Sealing Nut with torque 50-55 in. lbs.(5,6-6,2 Nm)



17)Using the same RJ45 Cable connection procedure for other port connection.



18)Insert the AC cable assembly into the AC Input socket of the POEO30U/POEO75U Power Injector and tighten the mount ring

