Installation Instructions

- Lay the pole down with the outreach arm upwards, and open the access door.
  (NOTE – Door screw is a tamper-resistant Centre-pin Torx screw)
- Ensure that the circuit breakers on the Regulator are all off (ie. DOWN).
- Use the draw-string to pull the light fitting cable (ie. the cable without the fitted connectors) into the pole.
- Attach the Light Fitting to the outreach arm, and1 terminate the cables as marked inside the light fitting - Positive (Red) to **A** & Negative (Black) to **N**.
  NOTE - There is no PE Cell required – day/night switching is managed through the solar regulator.
- At the pole access door, identify the light fitting circuit breaker and its polarity (the breaker on the right hand side, left positive, right negative. Cut the Light Fitting cable to length, so that the lowest point of the cable (where it turns upwards) is about 50mm away from the underside of the circuit breaker. Terminate the cable with grey 2.5mm² ferrule and screw into the circuit breaker.

- Fit the bracket to the back of the Solar Panel using the s/s screws & washers supplied. Fit the 6 s/s screws to the bracket socket, ready for mounting onto the pole.
- Connect the Solar Panel cable connectors to the loose cable supplied (labelled as Solar).
- Use the draw-string to pull the solar cable through to the pole access door.
- Slide the solar panel onto the pole, and orient it in the direction of North (use a smartphone App for directions if necessary).
- Tighten the screws in sequence so that the solar bracket & the outreach collar align and are flush.
- At the pole access door, identify the solar input circuit breaker and its polarity (ie. the breaker on the left hand side - left positive, right negative). Cut the solar cable to length, so that the lowest point of the cable (where it turns upwards) is about 50mm from the underside of the circuit breaker. Terminate the cable with a grey 2.5mm² ferrule, and screw into the circuit breaker.
- Testing procedure

1. Turn on the **Battery** circuit breaker. An LED light on the underside of the solar regulator should come on.
2. Turn on the **Solar** circuit breaker. A second LED light should come on (if solar panel is exposed to the sun).
3. Turn on the **Light** circuit breaker. The light fitting will not come on if the solar panel is exposed to the sun.
4. Turn off the **Solar** circuit breaker. The light fitting should come on in 20 to 30 seconds (with or without any sunlight on the solar panel).
5. Turn on the **Solar** circuit breaker again and wait for the light to turn off.
6. Ensure all three circuit breakers are turned on and all terminals are securely fastened.

- Remove the 4 Tek screws from the baseplate cover.
- Slide the baseplate cover up the pole and safely secure it at the door opening to prevent it sliding down whilst the pole is secured to the foundation bolts.
- Once the pole is erected and the baseplate nuts are all tightened, lower the baseplate cover into position and secure it with the 4 Tek screws. Do not over-tighten these screws as it may distort the baseplate cover. Re-fit the pole access door.
- If the pole and baseplate cover are painted, remove the protective plastic strip from the top of the base plate cover.