

## Installation Quick Reference Guide - Low Level Access Pole

### Installation of the Pole

The "Low Level Access Pole" should be installed into the NAL retention socket as per the instructions contained within the Installation and Commissioning Handbook 2 – Signals and Poles (667/HE/20662/000) and Installation Quick Reference Guide - Low Level Access Pole Mechanical Aspects (667/CI/46624/000).

*Important Note: The "Low Level Access Pole" is designed and approved for installation into a NAL 114mm retention socket only and should NOT be installed by any other method without prior agreement of the Siemens Product Manager.*

### Water Resistant Enclosure

The "Water Resistant Enclosure"

Part Number	Descriptions	Quantities
667/7/46621/000	TRAFFIC SIGNAL ENCLOSURE Siemens Specification SINGLE SIDED	1
667/7/46621/500	TRAFFIC SIGNAL ENCLOSURE Siemens Specification DOUBLE SIDED	1

Optional Water Resistant Enclosure parts

Part Number	Descriptions
667/7/46624/000	Additional Gland Pack

Additional part that should be used with this system

Part Number	Descriptions
667/7/46625/000	Vented Top Cap 114.3mm Dia. Pole - GREY
667/7/46625/001	Vented Top Cap 114.3mm Dia. Pole - BLACK

### Installation of the Water Resistant Enclosure

- Remove the pole door using a standard 5mm A/F Allen key and place on the ground leaning against the pole.
- Remove the enclosure from its packaging, open the unit with the Triangular "T" key (a quarter turn on the "Lock Pin") and disassemble the unit. Figures 1 and 2  
*Important Note: - The "lock Pin" can be turned, a quarter, in either direction to open the enclosure.*
- Connect the earth lead as shown in Figure 2 and 3
- Secure the back section, of the enclosure, into the pole using the 2 x M6 welded studs with the two pole mount grommets, M6 nuts and washers, making sure the two pole mount grommets are fitted between the pole and back section of the enclosure. Figure 5  
*Important Note: - The open section of the enclosure is the top of the unit.*
- Connect the Earth lead provided from the termination plate "Earth Star Point" to the earth stud on the pole and to the pole door fixing studs.  
*Important Note: - Make sure all earth connections are secure.*
- Secure the pre-made off signal cable/s, using the CET gland nuts and bolts, to the slots provided on the bottom of the termination plate. Figure 4  
*Important Note: -*
  - When making off the signal cable/s ends it is important you **install the armoured wire correctly** and set the "Jubilee Clip/s" screw barrel in such a manor to prevent them from fouling against the pole.
  - When securing 2 x cable glands it is important to use the vertical slot on the left hand side with the gland to the top of the slot and the CET gland to the horizontal slot towards the centre of the terminal plate, to prevent the clips fouling on the inside of the pole.
- Terminate the signal cable/s wiring to the right hand side of the terminal blocks making sure you form a drip loop and leave the vertical access slot (to the back of the terminal plate) free. Figure 6 and 7
- Run the cables from the top of the pole (signal heads, solar cell, above ground detectors, etc) through the plastic stuffing glands into the termination plate. Ensure that the correct rubber gland inserts are selected to suit the cable diameters used. Figures 8 and 9. Add additional stuffing glands to knock-out points, as required.  
*Important Note: - Leave a drip loop in the cable inside and outside of the enclosure.*
- Connect pole top cables to the required terminals on the terminal plate.  
*Important Note: - Additional terminal blocks can be fitted the back of the terminal plate however to ease installation and subsequent maintenance, it is recommended these are only used if it can not be avoided.*
- Complete any outstanding electrical tests and record the readings/calculations.
- Secure the termination plate to the back section of the enclosure, by hooking the top over the flange.
- Refit the enclosure front cover by inserting the top section into the termination plate, pushing closed and locking with the Triangular "T" key, with a quarter turn. Figure 10  
*Important Note: - Make sure the cover is firmly in place before you turn the "lock Pin".*
- Completed unit shown in Figure 11.



Figure 1

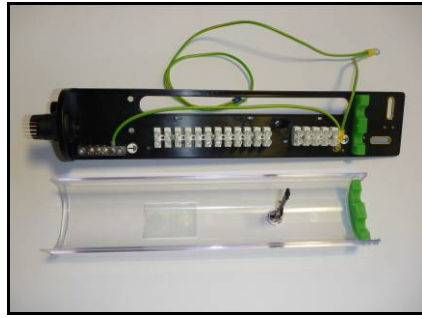


Figure 2

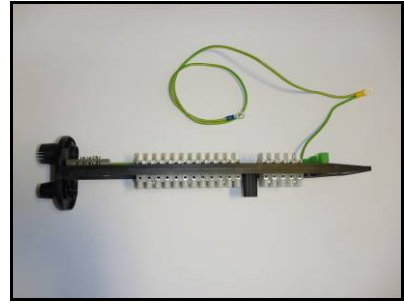


Figure 3

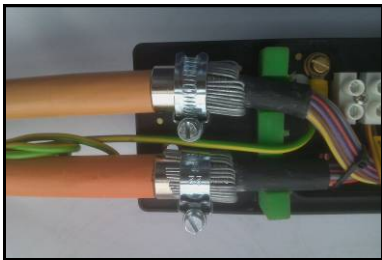


Figure 4



Figure 5

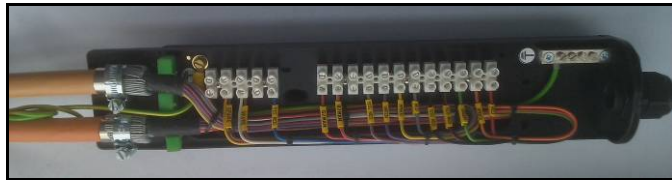


Figure 6 (Front)



Figure 7 (Rear)

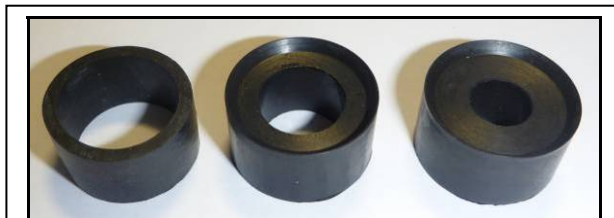


Figure 8



Figure 9

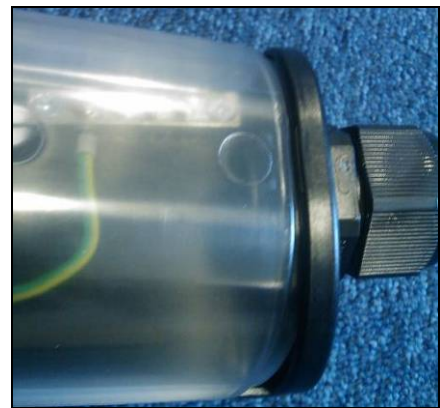


Figure 10

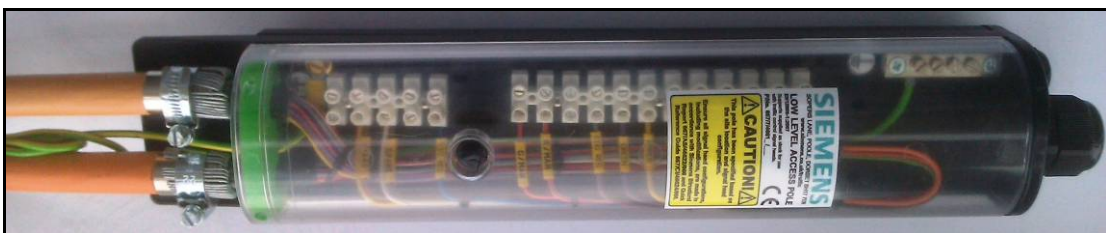


Figure 11