



**Applications: Traffic Signals**

The NAL Traffic Signal Termination Enclosure and Vented Top Cap have been specifically developed to enable all traffic signal terminations to be located behind a low level pole access door. The enclosure fits neatly within a standard 114mm Steel Traffic Signal Pole and will therefore function with any steel traffic signal of 114mm diameter or greater.

With the recent introduction of the 114mm traffic signal poles with low level access doors, the NAL enclosure now allows all terminations, normally installed at the top of the signal pole, to now be housed at ground level. The enclosure has been manufactured in a 3 part modular unit, comprising of a clear back cover, middle termination chassis with terminal blocks on both sides and a clear front cover. This design allows cabling works to be done outside the pole.

The enclosure has been designed to IP65 which protects terminations against direct water ingress. The NAL Vented Top Cap has been developed to ensure there is constant air movement within the pole and therefore ensures the enclosure remains free from condensation.

This now allows all traffic signal installation and maintenance works to be carried out safely at ground level, therefore eliminating all risks associated with working at height. The system also ensures all terminations are kept free from moisture problems and ensures pedestrian safety in the event of an access door failure/removal.

**Advantages**

- ◆ Eliminates working at height risk
- ◆ Vented top cap ensures no condensation
- ◆ Fits in 114mm dia pole, with flush fitting access door
- ◆ 34 way terminations



Further advice on the TERMINAL ENCLOSURES including specific installation requirements is available from IPL group. Measurements and weights are approximate. The designs are the property of Innovative Products Ltd (IPL group) and may not be reproduced without express permission. Innovative Products reserve the right to amend specifications or to withdraw models without prior notice. © October 2019



### Enclosure Specification

The NAL Traffic Signal Termination Enclosure has been designed and manufactured to enable all Traffic Signal terminations to be carried out at ground level in poles with a diameter of 114mm and greater.

Enclosure manufactured from high impact strength polypropylene PPC 9712.

Modular in construction it is a 3 part unit consisting of a clear back cover, middle termination chassis and clear front cover.

Clear front and back covers to enable all terminations to be visually inspected without the need to physically remove the covers.

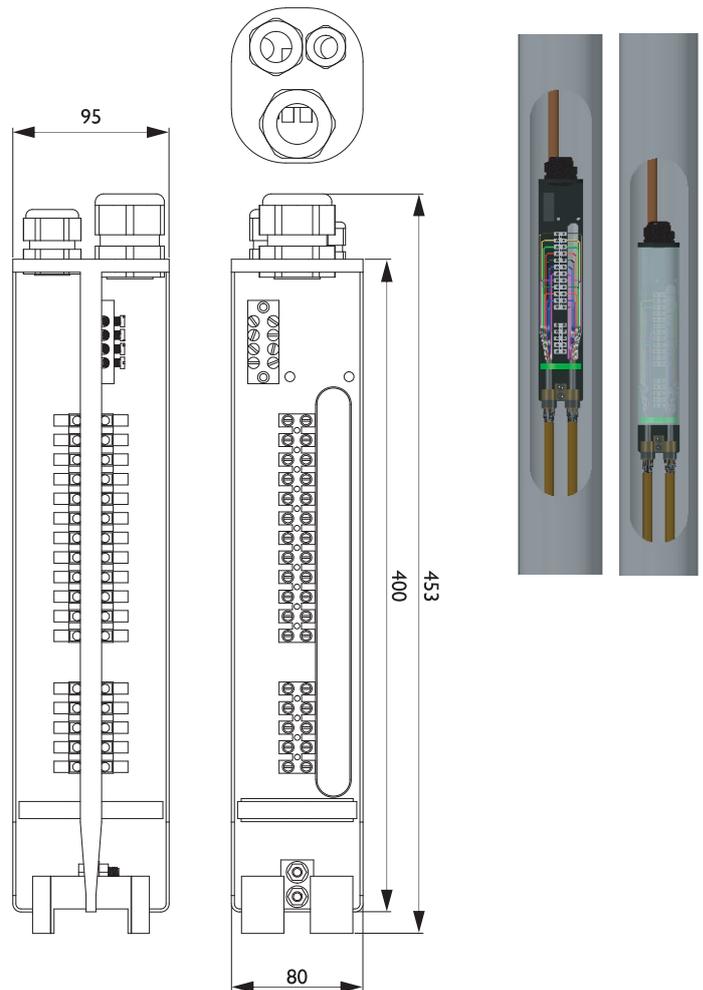
Manufactured with Tri head locking screw mechanism to front cover in accordance with BS 7671 IEE Wiring Regulations 17th Edition.

Single and multi core cable sealing glands for top cable entry points and pliable Polyurethane seal for base entry points to enable the water resistant sealing of armoured and un-armoured multi core cables.

CET type earthing bracket to base of unit.

Designed and manufactured to meet the requirements of water ingress level IP65.

Supplied with 34 way termination points and earth block as standard.



### Vented Top Cap Specification

The NAL Vented Top cap has been designed and manufactured to eliminate condensation and prevent moisture in poles when using the Traffic Signal Termination Enclosure.

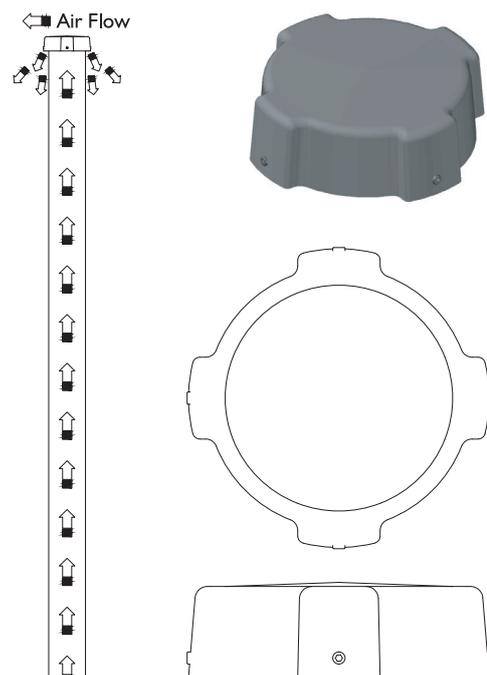
Vented top cap manufactured from UV stabilised high impact strength Polypropylene PPR 7227.

Secured to the top of the column with a minimum of 3nr M6 stainless steel grub screws.

Available in black or grey.

Available to suit 114mm and 145mm.

168mm diameter manufactured in stainless steel.



Further advice on the POWER SPUR including specific installation requirements is available from IPL group. Measurements and weights are approximate. The designs are the property of Innovative Products Ltd (IPL group) and may not be reproduced without express permission. Innovative Products reserve the right to amend specifications or to withdraw models without prior notice. © October 2019

