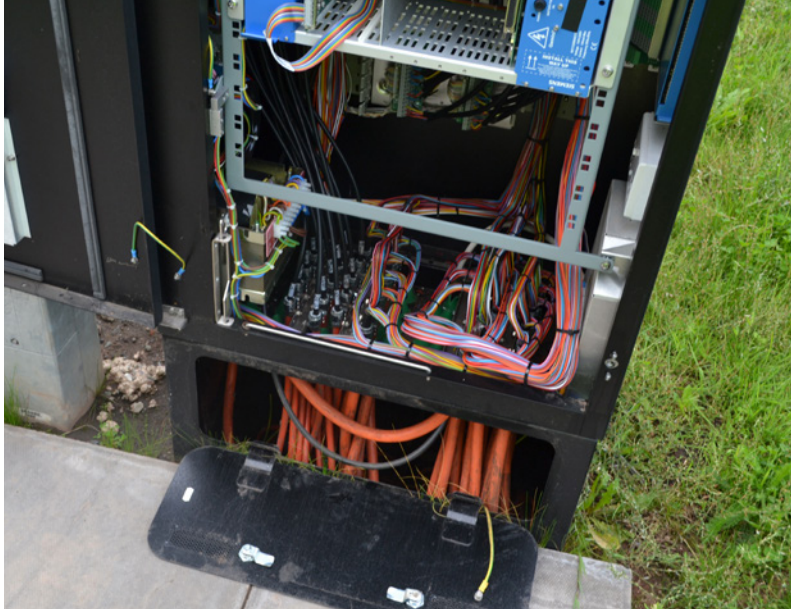

Cabinet Bases

Controller Cabinet Base

Applications:

Traffic Signals

The NAL Controller Cabinet Base has been designed to simplify the installation, upgrading and replacement of all types of Electrical Highway Control Cabinets.

The system offers a fully ventilated base unit which facilitates the connection of underground duct and cables into any type of electrical cabinet without the need for hazardous base seal. It also simplifies the process of adding or replacing cables to cabinets.

Advantages

- Flexible system which enables installation in the most difficult and congested site
- Eliminates risk of condensation without the need for carcinogenic base seal
- Eliminates risk of rodent infestation
- Eliminates risk of underground gas build ups
- Allows additional or replacement cables to be installed at a fraction of the cost
- Reduces the risk of cable theft during installation
- Separation of civils and electrical installation contracts
- Reduces the need for access chambers in front of cabinets
- Reduces the risk of flooding to control cabinets
- Improved working height for electrical maintenance engineers
- Optional side access doors for BT or power

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Controller Cabinet Base Specification

Controller Cabinet Base must enable the installation of any Traffic Signal Controller Cabinet without the requirement for base seal.

Controller Cabinet bases must have a minimum of 56nr sealing grommets with the ability to seal cables with an outside diameter of 5mm to 26mm diameter.

Controller Cabinet Plinth should be manufactured from 2mm utility grade 1.4003 Stainless steel polyester powder coated to match controller cabinets.

Plinth to be manufactured with a minimum 12 louver air vents with perforated steel mesh fixed internally. All components must be linked with 6mm earth cables.

Both Plinth and Cable Gland Tray to be manufactured with pre-drilled fixing points for cabinet, castellation bars and earth points to suit all UK Traffic signal controller cabinets.

Access Chamber beneath Plinth must be of twin wall construction which has been vertically load tested to EN124 D400 (40 tonnes).

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

Access chamber external walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

Access chamber external walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must have a min of 24nr 100mm duct entry points. These must be supplied with removable caps.

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chambers must have the ability to be reduced to 200mm or extended in depth on site easily to overcome shallow structures and/or existing services.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Controller Cabinet Bases are to be supplied to the above specification by NAL Ltd or any equally approved manufacturer.

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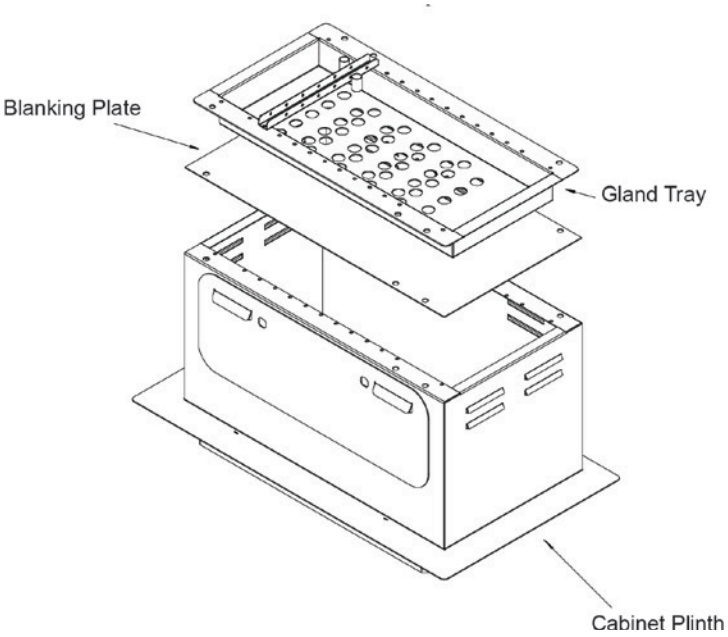


The NAL Controller Base comprises of four components:

Blanking Tray, Gland Tray, Controller Plinth and 40 tonne STAKKAbox Access Chamber.

Controller bases available:

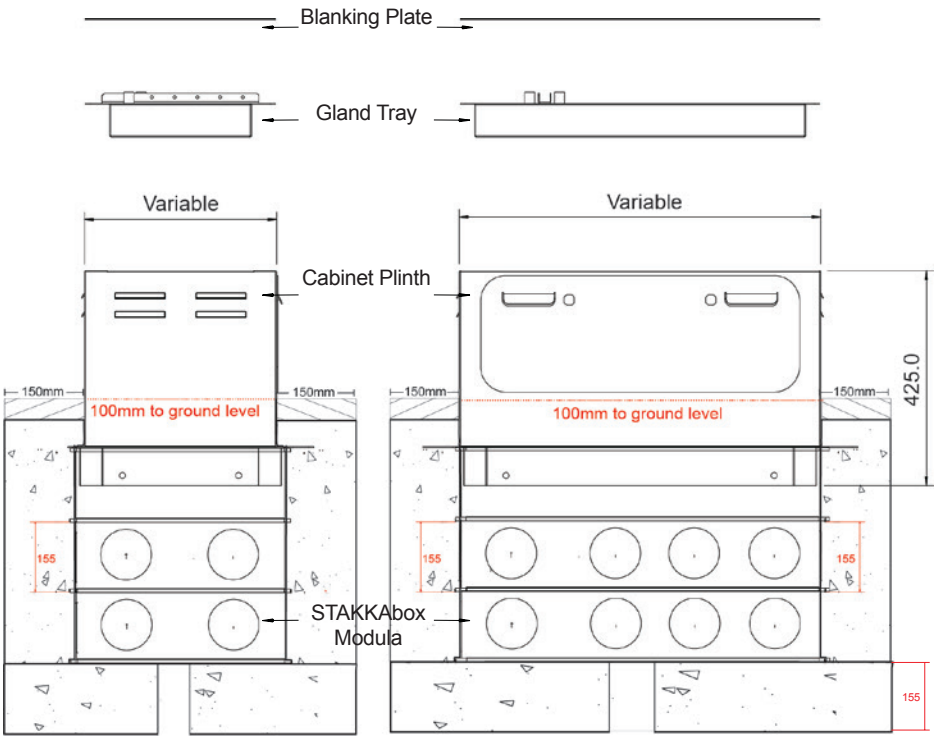
Imtech small and large case

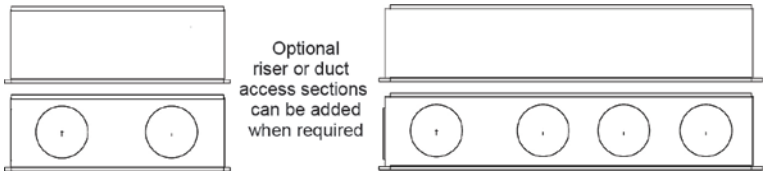
Motus small and large case

Siemens small and large case

TCUG

Telent small and large case





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