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Health and safety

Every effort has been made to ensure the accuracy of the information given in our publications, but in accordance with our policy of continually improving our products we reserve the right to modify designs and specifications whenever necessary. All equipment is designed to conform to relevant British and International standards. Every care is taken to ensure that, as far as reasonably practical, it will perform without risk to health. It is essential that accepted codes of professional practice are followed in the assembly, installation and commissioning of the equipment. If in doubt with respect to any of these instructions, please consult Unipart Dorman before installing the device.

Unipart Dorman reserves the right to vary any component part to meet the required specifications without prior notice.



Certificate No. FM 14371

Dorman ref. No C64.63242 iss2

Miniature Alpha Numeric Route Indicator (Stencil) User Instructions

To be read before commencing
Operation



Installation Instructions

ISOLATE FROM SUPPLY BEFORE COMMENCING INSTALLATION

General.

In general before commencing assembly, any local safety requirements affecting the safe working environment of the signalling installation either directly or indirectly should be carried out.

When the indicator is fully assembled, the user should note that the indicator weighs a maximum of 12Kg (single indicator) and 25kg (double indicator). It is the user's responsibility to ensure that, if the indicator is to be lifted then suitable certificated lifting apparatus and/or other precautions are employed.

The indicator should only be installed by staff deemed electrically and mechanically competent in these fields by their employer.
The installation standards of the indicator should follow the general provisions of the Signalling Installation Handbook

The single indicator is affixed to the support structure by means of 4 x M16 bolts, washers and nuts (not supplied).

The double indicator is affixed from the top of the unit to the support structure by means of 4 lengths of M16 studding, washers and nuts (not supplied).

Once the indicator has been installed and aligned, tighten the four M16 bolts (torque 40N.m)

Electrical Connections.

It is recommended that this unit is installed by a qualified electrician and wired in accordance with the relevant track and signal code of practice.

Single Indicator

Access to the terminals to allow the wiring of the indicator signalling circuitry is effected by the removal of the six M4 screws securing the terminal cover to the inner enclosure. The terminal cover can then be removed.

The tail cable to the indicator is routed to the terminal blocks through a gland at the side of the terminal box. When tightened, this gland will complete the sealing of the enclosure. It is recommended that once inside the signal, the cable is looped, to facilitate ease of pivoting the inner enclosure for cleaning.

Within the terminal box, standard 2BA stud blocks are provided. Links are labelled as per the wiring diagram label affixed to the inner face of the terminal box.
PIDG ring crimps on each conductor locked down by 2BA nuts should be used in order to connect the tail cable to the stud block.

Double Indicator

Access to the terminals to allow the wiring of the indicator signalling circuitry is effected by removing the padlock and loosening the four M5 screws securing the terminal cover to the inner enclosure. The terminal cover can then be hinged for access.

The tail cable to the indicator is routed to the terminal blocks through a gland at the top of the unit.
The individual connection cables are fed through individual nipples moulded into a rubber seal which is located on the side of the terminal box.

The required number of nipples should have their tapered ends cut off and the membranes pierced with a sharp tool as necessary to provide a snug fit on the diameter of cable being used and ensure a watertight seal.

A spare seal is provided within the terminal box if required.

Within the terminal box, standard 2BA stud blocks are provided. Links are labelled as per the wiring diagram label affixed to the inner side face of the terminal box.

PIDG ring crimps on each conductor locked down by 2BA nuts should be used in order to connect the tail cables to the stud block.

Module Replacement

In the unlikely event that a signal module should fail or sustain damage and need replacing, it is essential that the replacement unit is connected in the identical way to the unit it is replacing and that the earthing strap on a single indicator is correctly connected together with the nut and shake proof washer ensuring that a good electrical bond is achieved.

When replacing a module in a double indicator, the PIDG ring crimps **must** be removed from the ends of the relative cables inside the terminal box before the cables are removed through the nipples on the rubber seal.

The new module PIDG ring crimps must first be removed from the ends of the cables which **must** be cut flush and left unstripped without any sharp strands of cable remaining. The cables may then be carefully passed through the nipples on the rubber seal taking care not to damage them and the PIDG ring crimps fitted to the ends of the cables inside the terminal box..

The new PIDG ring crimps **must** be applied to the tail connection cables and the cables from the new module after they have been passed through the nipples.

On no account **must** cables with PIDG ring crimps on them be pulled through the nipples of the rubber seal.

Failure to adhere to the above will damage the seal and compromise the terminal box integrity.

Cleaning.

Single Indicator

The inner enclosure can be hinged backwards to facilitate cleaning of the front screen from the rear of the indicator.

To allow the inner enclosure to be hinged backwards, remove the padlock and operate the securing latch whilst supporting the unit. The inner enclosure can now rotate on the shaft mounted on the base of the hood.

WARNING. Care must be taken when lowering the inner enclosure, as the hinge system is designed to allow it to be completely removable.

Approvals and Specifications.

Acceptance Number	PA05 / 01071
Operating Voltage	Max 121 Vac Min 88 Vac
Nominal Operating Current (Per displayed indication)	0.3A @ 110 Vac
Weight	12kg (single indicator) 27kg (double indicator)