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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 Dorman before installing the device.

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



Certificate No. FM 14371

Dorman ref. No C64.65035 iss 3

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## MINIATURE TUNNEL 4 ASP/PoSA SIGNAL

### Installation Instructions

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To be read before commencing  
Operation



## **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 fully assembled, the user should note that the indicator can weigh 21Kg (4 aspect 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 signal is affixed to its support structure by means of 3 x M10 bolts, washers and nuts (not supplied).

### **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.

### **4 Aspect Indicator.**

Access to the terminals to allow the wiring of the indicator signalling circuitry is effected by the opening of the door.

The tail cable to the indicator is routed to the terminal blocks through a gland at the bottom of the signal. When tightened, this gland will complete the sealing of the enclosure.

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 enclosure door. 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.

## **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.

### **Approvals and Specifications.**

Network rail product acceptance .....PA05/04356

Pads No. & Cat No:

Ground/Wall mounted.....086/077161

Inverted Roof mounted.....086/077160

Ground/Wall mounted (Elevated).....086/077163

Sealing of LED Modules.....IP65

Sealing of Housing.....IP54

Signal weight.....21Kg

Aspect configuration.....4 Aspect

### **Key specifications:**

Operating temperature range.....-6°C to + 23°C

Nominal operating voltage.....110 Vac

Operating voltage range.....Max 121Vac Min 88Vac

Nominal operating Current.....300mA @ 110Vac