

Subscriber Overhead Distribution Boxes.

10, 20 and 30 pairs.



Application

Utilised for terminating cables within the secondary telephone network and forming a distribution point where the cable pairs and subscriber lines meet.

The drop wire modular connector system incorporates both over voltage and over current capabilities as well as providing remote test access.

Description

The terminal box consists of a plastic injection moulded housing and a hinged cover lid. There is a seal around the edge of the cover to prevent moisture ingress when securely closed. Modular connectors are fitted inside the terminal unit providing a cost effective solution in populating the subscriber terminal boxes to what ever pair count is required rather than pre-tailed terminal blocks.

At the bottom of the housing is situated the cables sealing gaskets.

Adequate grommets are provided for 10, 20 and 30 pair applications.

The connector modules are mounted onto a stainless steel din rail to form assemblies of 5, 10 and 15 pairs.

Our particular design of Overhead Subscriber boxes allows the terminal box to be terminated by its users offering local content possibilities. A cable dresser protects the exchange side wiring as well identifying the pairs.

The drop wires are routed and connected individually to each terminal head.

The inside of the modular connector is filled with a special silicone grease to ensure a water tight connection is made every time.

The modular connector housing is moulded from a transparent material permitting visual inspection of the terminated cables. The central body of the modular connector houses four contacts, which are electrically connected by means of a plug in module. The entire unit remains watertight by the use of an O ring which is fitted to all types of plug in modules.



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Testing without breaking the signal is achieved by inserting the test probe through the test location holes provided on each plug in module.

The din rails are electrically connected via an earth link which provides continuity to both din rails.

The incoming earth cable is also terminated to the main earth pillar, which is welded to the din rail assembly providing a very permanent connection.

Installation

At either end of the housing body are fixing points which accommodate specially designed stainless steel hanger brackets providing pole or wall mounting.

Drop wires are inserted through the elastomeric sealing gaskets located in the base of the housing.

Connection of the drop wire and exchange cables

In order to terminate the drop wires, separate the conductors and insert them fully without removing the cable sheath into the housings of the drop wire modular connector. With a screwdriver tighten the screw fully to make the insulation displacement connection. If an error is made when terminating, simply loosen the screw, remove the wires and cut them at the point where contact was made. Repeat procedure correcting any error previously made.

Connection

A submersible water tight connection is achieved on the subscriber terminal range.

Ordering Information

| Order Ref | Description |
|-----------|--|
| 5600002 | Dist. Box 30Pr O/Head with Protection |
| 5600003 | Dist. Box 30Pr O/Head without Protection |
| 56000064 | Dist Box O/H 20Pr with Protection |
| 56000065 | Dist Box O/H 20Pr without Protection |
| 56000066 | Dist Box O/H 10Pr with Protection |
| 56000067 | Dist Box O/H 10Pr without Protection |

Please specify when ordering the firing characteristics of the over voltage arrestor.

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