



# Broadband Connectivity

## Enclosures

### MDU - S1

#### LC or SC Connections

#### Application Information

The HellermannTyton S1 Series of wall/pole mountable enclosures are suitable for both internal and external applications and have been developed for use within the last mile of the FTTx network.

The enclosure has been designed to physically separate the incoming feeder cable from the 12 customer connection points whilst offering the adaptability of point to Multi Point (P2MP) or Point to Point (P2P) configuration.

#### Product Description

The S1 enclosure is an IP55/IK09 rated enclosure manufactured from UV stabilised V0 rated light grey (RAL 7035) polycarbonate with provision for a customer moulded logo if required.

The enclosure consists of 3 separate fibre management areas:

#### - Inbound Cable Management

The lower section of the enclosure has 4 dedicated entry ports with strain relief for incoming fibre cables which may be looped through. This area provides positive fibre management and loop storage for a maximum of 144 fibres.

#### - Fibre Splice Management Area

A dedicated splice management tray sits above the fibre storage area and has capacity for up to 12 x 3A heatshrink splices (24 if double stacked) with a maximum splice protector length of 60mm. The tray provides separate fibre management areas for 250µm fibres and 900µm pigtails whilst maintaining a 30mm bend radius throughout.

#### - Drop Cable Management

The drop cable management area consists of a removable upper fibre management tray which presents 12 SC or LC Simplex adaptors for connection to industry standard pre-terminated drop cables and prevents access to the lower splicing area when in place. Fibre management is provided on the underside of the tray for 900µm pigtails allowing any excess 900µm fibre to be maintained separately from the 250µm feeder cable fibres. Retaining features allow a PLC splitter to be housed within the tray and the fibre management maintains a 30mm minimum bend radius throughout with a crossover facility to allow for alternative routing requirements.

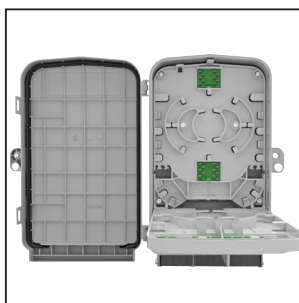
The 12 SC or LC Simplex adaptors on the customer facing side of the tray are angled and spaced to allow for inspection prior to connection and 12 anchor guides are provided for securing the drop cables. The drop cable exit ports use a simple push fit seal to ensure performance in excess of IP55.

#### Technical Data

|  |  |             |    |
|--|--|-------------|----|
| <b>Dimensions (mm)</b>                     | H  | W           | D  |
|  | 241                                      | 154         | 72 |
| <b>Maximum number customer connections</b> | 12 LC APC/PC or 12 SC APC/PC SX adaptors |             |    |
| <b>Maximum number of splices</b>           | 24                                       |             |    |
| <b>Maximum Fibre Storage</b>               | 144 Fibres                               |             |    |
| <b>Number of Ports</b>                     | 4 inbound ports, 12 outbound ports       |             |    |
| <b>Cable dimensions</b>                    | Feeder                                   | Drop        |    |
|  | Maximum 8mm or 16mm                      | Maximum 8mm |    |
| <b>IP Rating</b>                           | IP55                                     |             |    |
| <b>Mechanical IK protection</b>            | IK08                                     |             |    |



MDU - S1 with 8 LX SX connections.



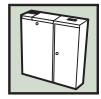
Fibre Splice Management Tray.



External view.

#### Features and Benefits:

- Separation of incoming feeder cable from customer drops
- 12 LC or SC customer connections
- 12 outbound ports
- Positive fibre management throughout (30mm min bend radius)
- IP55/IK08/V0 rating
- UV Stable
- Tamper proof
- Wall/pole mounting features
- Low profile



### Technical Diagrams

