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OCO

Optical Customer Outlet

Installation instructions

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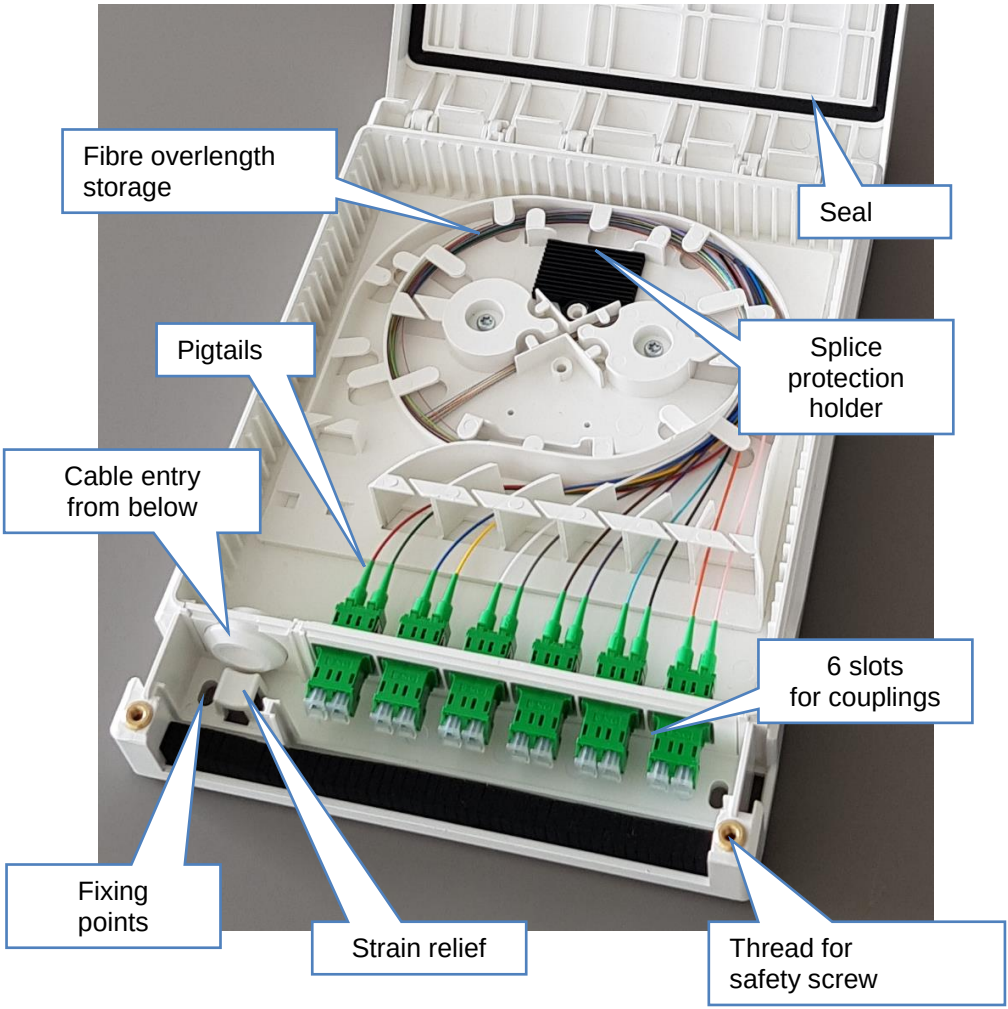
1. Brief description of the OCO



2. Safety instructions

- The Optical Customer Outlet (OCO) was developed for outdoor and indoor use as a fibre optic termination point and serves the purpose of this application when properly installed.

- The OCO must be installed by technically skilled experts. Read these instructions thoroughly before you start installing the OCO. Please observe the applicable accident prevention regulations and the regulations on handling fibre optics.

- The OCO must be used only for its intended purpose in fibre optic cable installations.
  It must never be used in electrical installations.

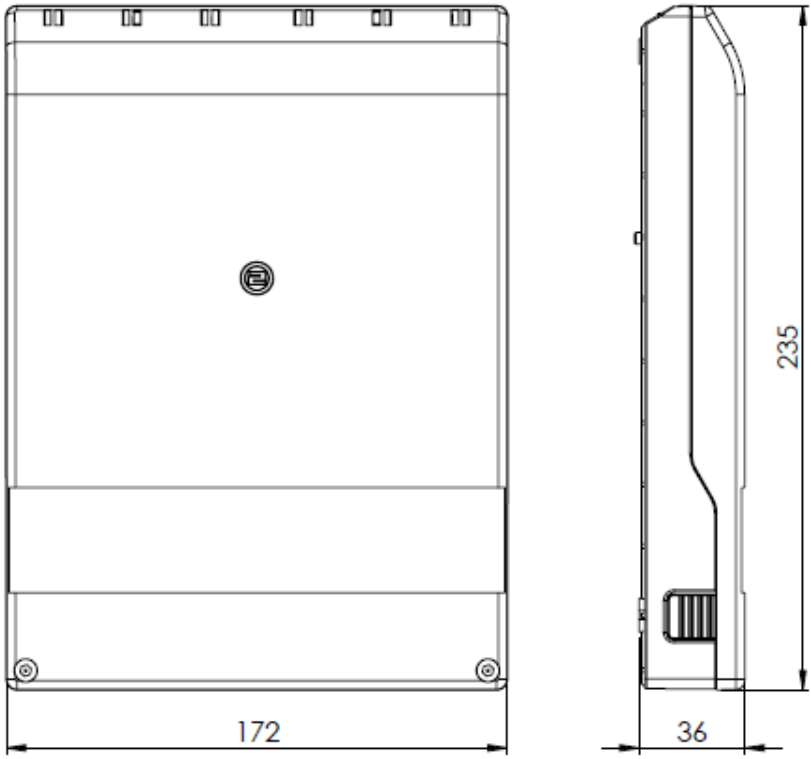
  - ATTENTION! Invisible laser beams may be present!

Do not look into the beam or view it directly through optical instruments!

- Fibre optic cables are sensitive to mechanical, tensile and compressive forces. Excessive bending or kinking must be avoided at all costs. Observe the specifications relating to the cable used.

- When working with fibre optic cables or performing splicing work, fibres may break leaving fine glass fibre residues. These must be collected in special containers and disposed of. Fine fibres can penetrate the skin or eyes and cause inflammation.

3. Dimensions



All the dimensions are given in millimetres.

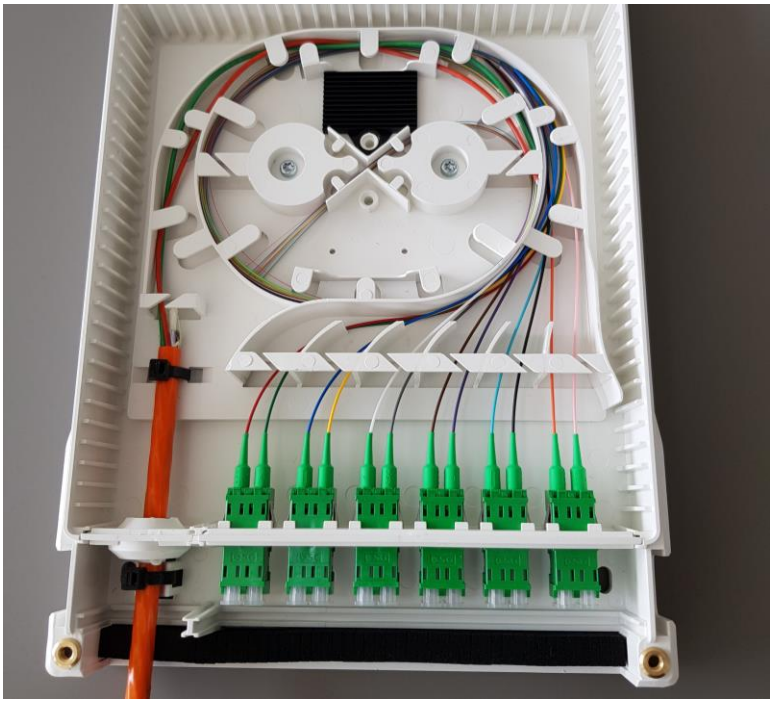
4. Installation

There are two basic types of installation:

- Installation with cable entry from below → see Chapter 4.1
- Installation with tube entry from below → see Chapter 4.2

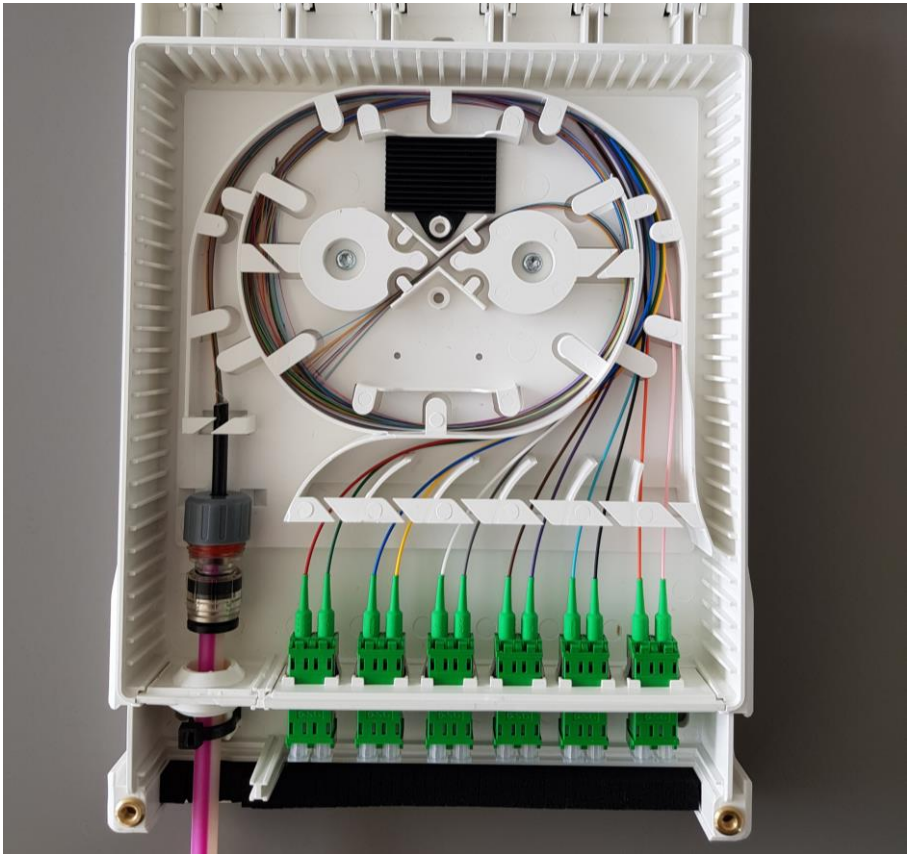
4.1 Installation with cable entry from below

To install the unit, the housing must be screwed to the wall. There are three holes in the base of the housing for this purpose. Mark the position of the holes on the wall and drill the holes. Insert the wall plugs and fix the housing with three screws, using the elongated holes to align it.
Then take a sufficiently long length of cable (e.g. 1.6 m) and guide it through the bushing. Fix it and fasten it securely with cable ties. A screwed cable gland can be used instead of the bushing if desired; see 4.3



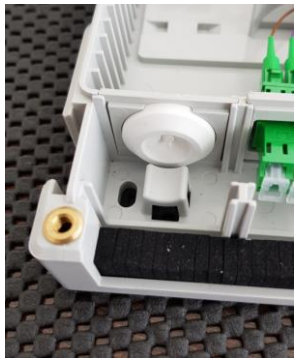
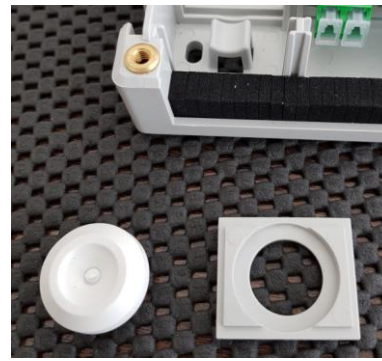
4.2 Installation with tube entry from below

To install the unit, the housing must be screwed to the wall. There are three holes in the base of the housing for this purpose. Mark the position of the holes on the wall and drill the holes. Insert the wall plugs and fix the housing with three screws, using the elongated holes to align it.
Then feed the tube through the bushing, fit the gas/water stop and fasten the cable in place with cable ties. The cable can be inserted either before or after the installation of the tube. Then leave a sufficiently long length of cable (e.g. 1.6 m). A screwed cable gland can be used instead of the bushing if desired; see 4.3

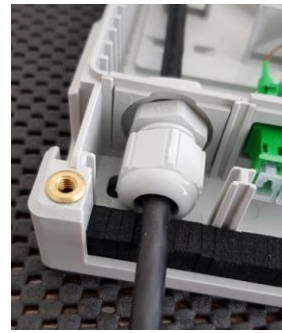


4.3 Screwed cable gland

For feeding in the incoming cable or tube and providing strain relief, an M16 screwed cable gland, for example, can be installed at the entry point.



4.4 Splicing

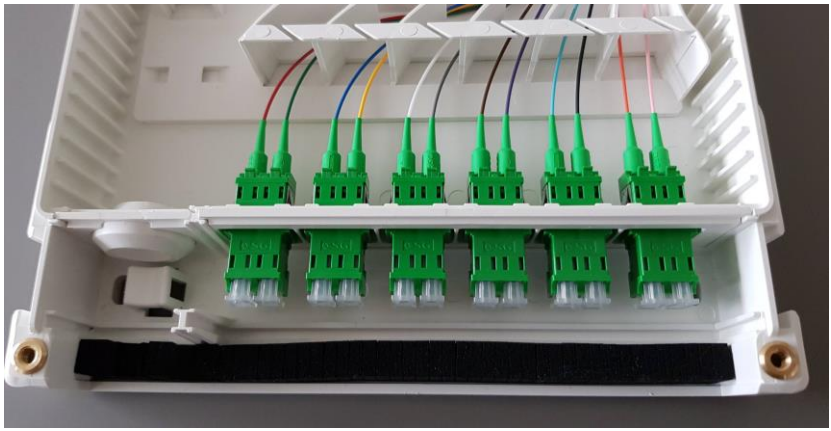
The fibre overlengths can now be wound out of the splice cassette and spliced with the pigtails. The overlengths can then be laid in the cassette and the cassette can be secured in the comb.

4.5 Locking

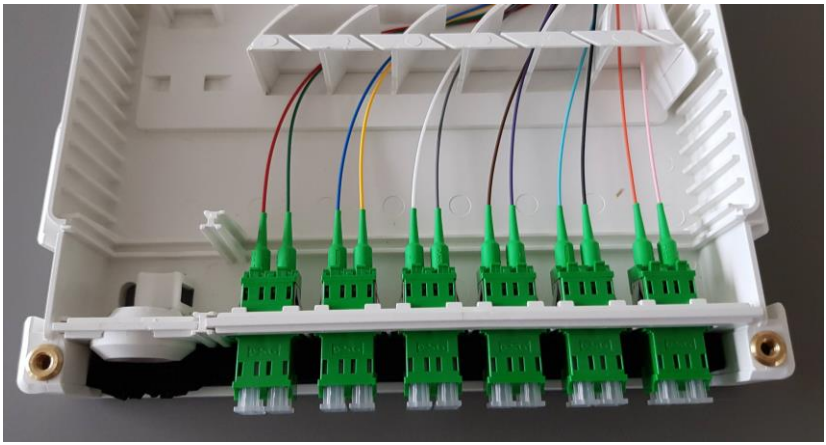
Safety screws or a seal sticker can be used to lock the box and secure it against unauthorised opening (accessories).

5. Configuration

You have the option of offsetting the level of the couplings in the housing, depending on whether or not the couplings need to be accessible from the outside when the box is closed.



You can offset the cable entry points and coupling plates before or during installation.



6. Disposal

At the end of its useful life, the housing and its contents must be disposed of and recycled in accordance with the applicable legal regulations.

7. Accessories/Pre-installed items

Our ZAF strain relief is available to provide strain relief and enable quick and easy installation of cables up to 5 mm in diameter.



Pigtails and couplings are pre-installed by us so that the OCO is ready for connection.

There are various types and qualities of connectors, fibres and couplings to choose from:
SC, LC, E2000; APC, UPC; Grade A or B and all common types of fibre

Please contact us if you need any further information, a special configuration or accessories.

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