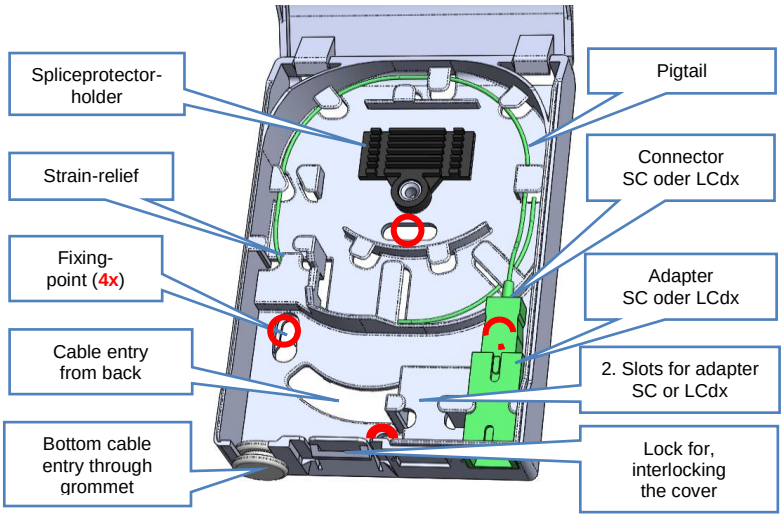
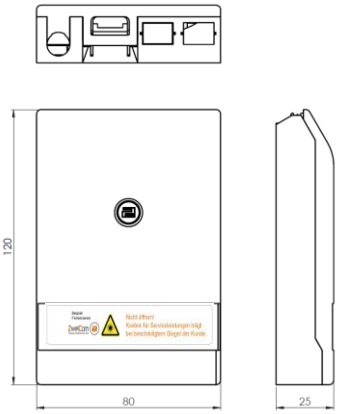
Instruction for Installation OTO *Optical Telecommunication Outlet*

1. Short Description OTO



2. Dimensions



All dimensions in millimeter

3. Safety instructions

The Optical-Telecommunication-Outlet (OTO) is for indoor use only and designed as a fiber optic termination point. All functions will be achieved by professional installation.

The installation of the OTO should be carried out by professional technical personnel. Read this manual carefully before installing the OTO. Be aware of the current and applicable accident prevention regulations by working with fiber optics.

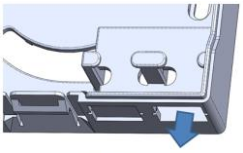
- **DANGER**! Possible invisible laser radiation!
- Avoid direct eye or optical instrument exposure to direct laser radiation!
- Fiber optic cables are sensitive for mechanical stress, tension and other forces.
- Strong bending or folding of fiber optic cables should be strictly avoided.
- Consider the specifications of the used cables.

4. Delivery list

a) 1 St. OTO Housing
b) 1 St. grommet
c) 1 St. cable tie
d) 1 St. spliceholder for shrink
e) 1 St. seal

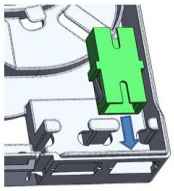
5. Preassembling

For the pre-assembling, the adapter, splice holder and grommet are mounted into the housing. For the mounting of the adapter, a certain window has to be broken out, in the appropriate place at the bottom of the housing.

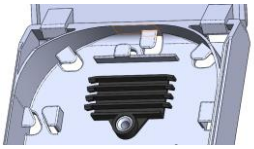


Afterwards the adapter with the spring facing down has to be inserted into the slot from top to down until a “click” is heard.

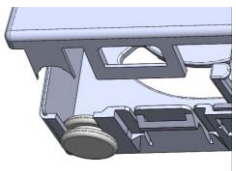
A second adapter can also be mounted next to first adapter. In addition, a strain relief adapter is available and can be ordered separately.



The splice holder has to be pushed on the appropriate dome. Pointed upwards and horizontal oriented so that the small feet on the backside are snapping in.



The grommet can be inserted in the appropriate place at the housing bottom. If so, the lid at the opposite side of the cover has to be taken off in order to free up the space for the grommet.



6.0 Assembling

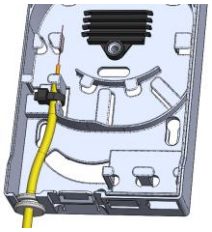
There are two types of installation:

- Mounting with cable entry from below, wall mounting with cable on the wall → see chapter 6.1
- Mounting with cable entry from the back, wall mounting with cable out of an in-wall socket → see chapter 6.2

For the mounting the housing has to be screwed to the wall. For this, there are four holes in the housing back. For this installation two Ø6mm rawl plugs and two Ø4,5mm cylinder head screws are needed. Hold the housing at the appropriate place at the wall and mark the position of the holes to the wall. After this, remove the housing and drill the holes. Insert the rawl plugs and screw the housing with the two screws to the wall by leveling it.

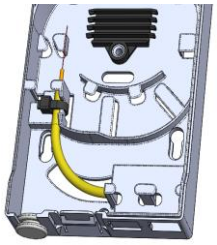
6.1. Mounting with cable entry from below

The fiber optic cable has to be prepared for installation. A fiber reserve of 1,2m is recommended. Remove the grommet from the housing, perforate it with a sharp object and slit it over the cable. Now hold the cable into the housing and mark it at the corresponding position. Then remove the cable again and strip it off. Install now the cable and fix it with the cable tie. Tie the outer sheath of the cable to the appropriate point in the housing. The fiber can now be spliced to the pigtail. Afterwards place the fiber reserve into the housing by respecting the bend radius and place the splice protector into the splice holder.



6.2. Mounting with cable entry from back

The fiber optic cable has to be prepared for installation. A fiber reserve of 1,2m is recommended. Guide the cable out of the in-wall socket through the large opening at the back of the housing. Now screw the housing on the in-wall socket with screws. Align the housing. If there are no horizontal fixing points available in the in-wall socket, you can also use the two vertical fixing holes in the housing.



Hold the cable into the housing, mark it at the corresponding position and strip the cable jacket off. Install now the cable and fix it with the cable tie. Tie the outer sheath of the cable to the appropriate point in the housing. The fiber can now be spliced to the pigtail. Afterwards place the fiber reserve into the housing by respecting the bend radius and place the splice protector into the splice holder.

6.3 Final Assembling

After guiding and installing the fibers into the housing in a correct bend radius, the cover can be closed. Optional the cover can be secured with a seal. To open the cover, press the tab at the bottom of the housing and lift it. The cover is snapping at an angle of 120° by itself.

7. Configuration

4-640.1x **2Line OTO** **Optical Telecommunication Outlet**
up to 4 fibers
Size 120mm x 80mm x 25mm
Material: PC/ABS, Color: RAL9010, IP20, UL94 V-0
Material enclosed: 1x SC-PC Adapter, 1x SC-PC Pigtail,
with splice holder for shrink;
Grommet and cable tie, without fixing material

8. Disposal

After end of lifetime of the housing and the internals, the parts should be disposed of and recycled according to the current legal regulations.

ZweiCom-Hauff GmbH Geiselroter Heidle 1 D-73494 Rosenberg
www.zweicom-hauff.com