

TC-1195-IP
Rev A, Apr 2017
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Fiber optic wall box

1 General

The box is designed for indoor applications for a maximum of 12/24 fibers. Up to 12 SC or 12 LC duplex adapters can be inserted. The box can be mounted onto a wall or into a 19" rack.

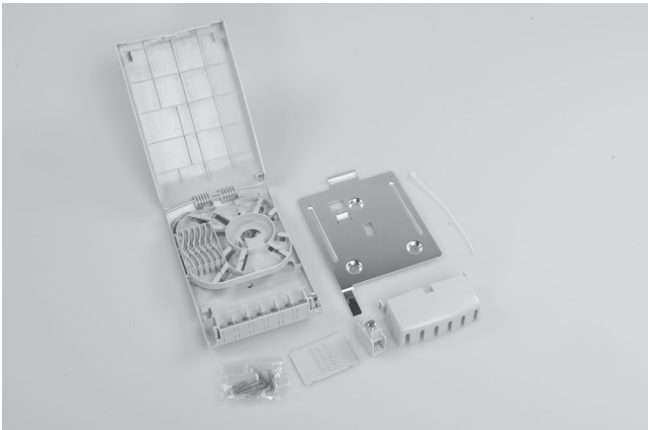
An additional metal base plate can be used to secure bigger cables (\varnothing 7-14 mm) outside of the box.

The box provides cable entrances ($\varnothing \leq 7\text{mm}$) on the top and bottom side of the box.

An additional cover is provided to protect the connectors from accidental disconnection.

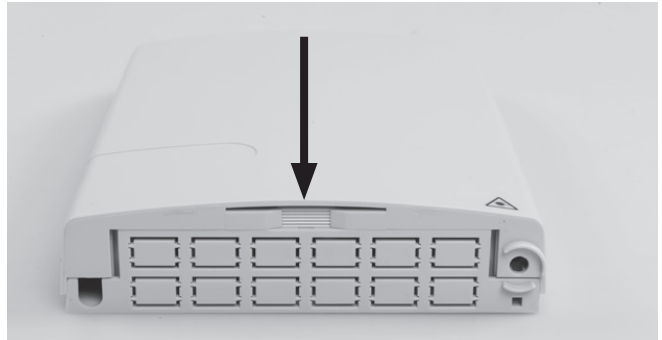
A fold-away splice cassette inside, can support a maximum of 24 crimp splices, 24 heat shrinkable splices or 12 mechanical splices.

2 Kit content

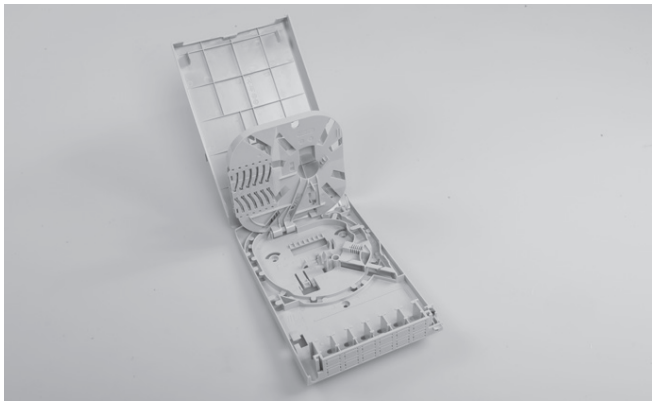


- 1 x Box
- 1 x Cover for F/O plugs
- 1 x Base plate
- 1 x Strain relief for cable
- 1 x Crimp splice holder 18
- 1x Splice holder 6
- 3 x Screw 5x30-A2
- 3 x Wall plug
- 1 x Tie wrap

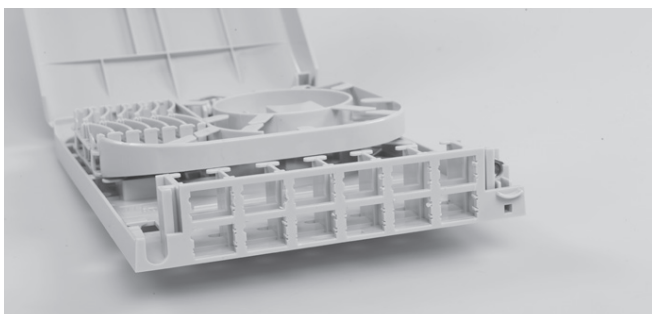
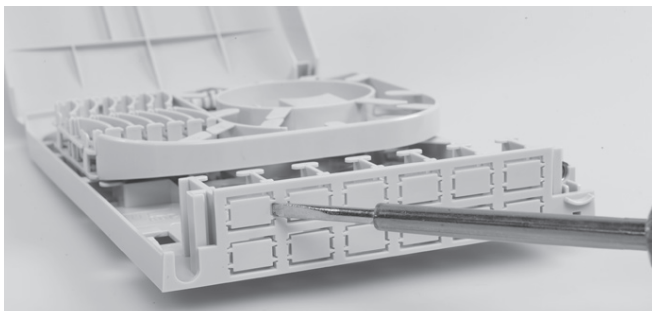
3 Installation of the box



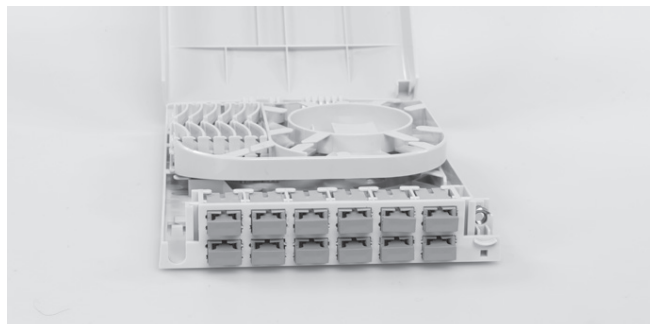
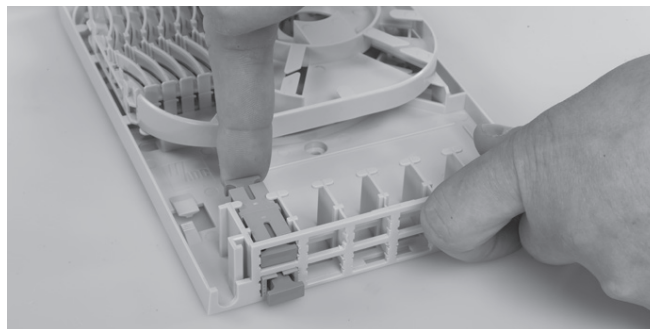
3.1 To open the lid press the grooved area in the middle of the bottom side of the lid (as shown) and pull the lid upwards. The lid will lock in place at approximately 120°.



3.2 To release the cassette, push the hook (in the middle of the cassette) to the right side and push the splice cassette upwards. The cassette will lock in place at an angle of approximately 90° degrees.

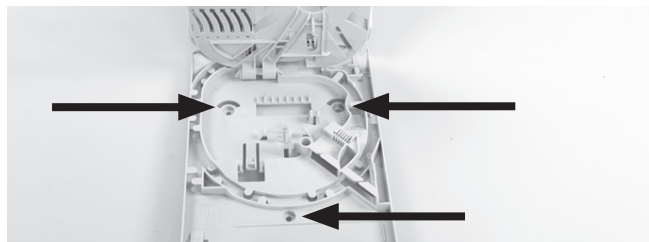


3.3 Break out the slots at the bottom of the box using a screwdriver.
Note: Apply the screw driver at the side of the windows, not at the top.

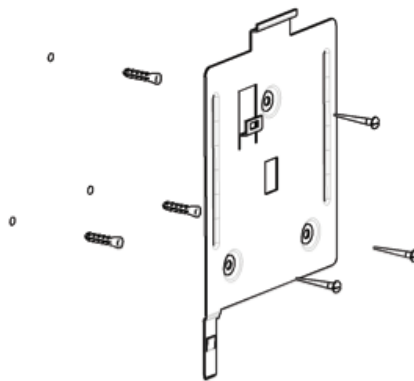


3.4 Insert the adapter with the clip from inside of the box. The clip must fully engage. To release the adapters, press the small brass clips inwards using a small screwdriver.

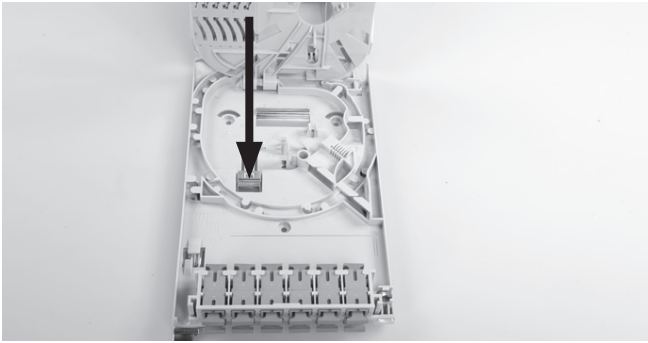
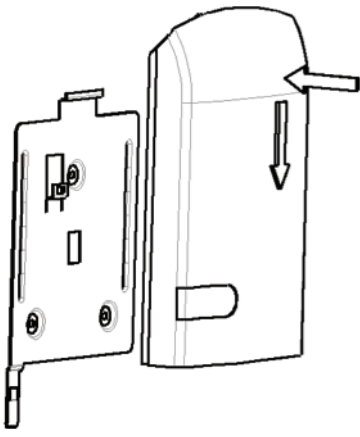
4 Wall mounting



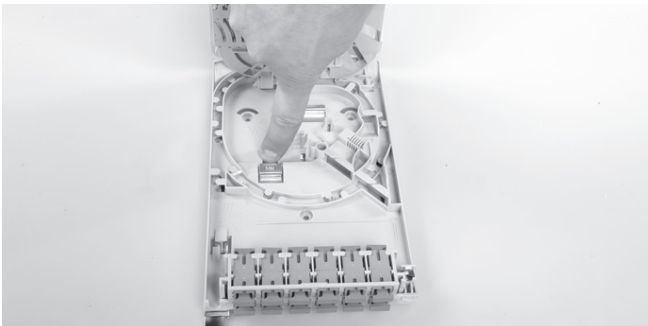
4.1 The box can be mounted on to a wall (3x mounting holes) or on to the supplied wall mounting plate with an additional strain relief for cables.



4.2 Place the base plate at the required position, drill the required 3 holes (drill size \varnothing 5 mm), insert the wall plugs and fasten the base plate to the wall.

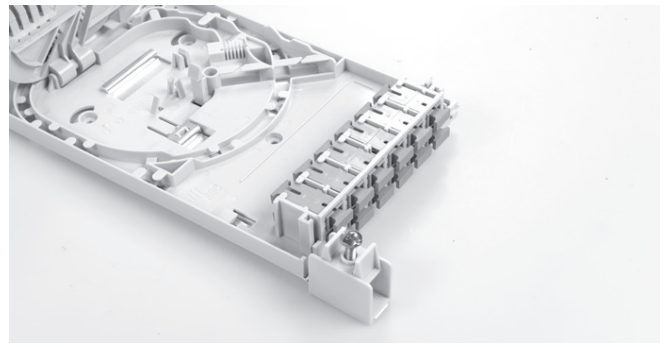
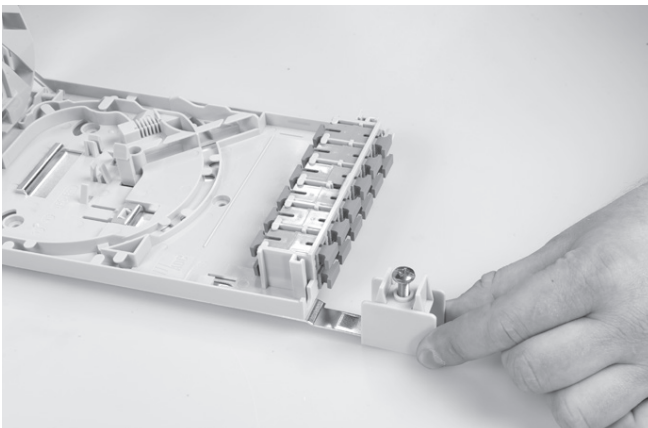


4.3 Align the box with the wall mounted base plate and slide the box downwards until the snap hook of the box engages with the hole in the base plate.



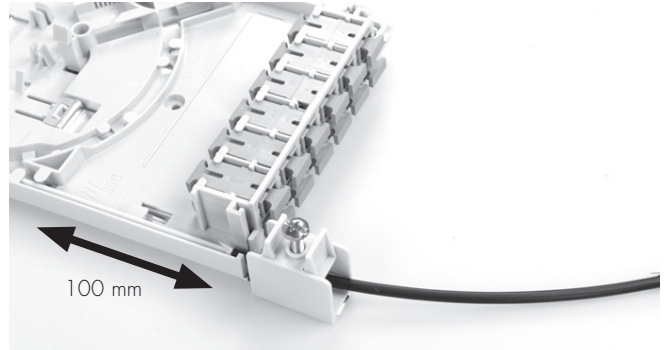
4.4 To release the box, push the snap hook as shown

A Incoming cable with a diameter \varnothing 7 – 14 mm

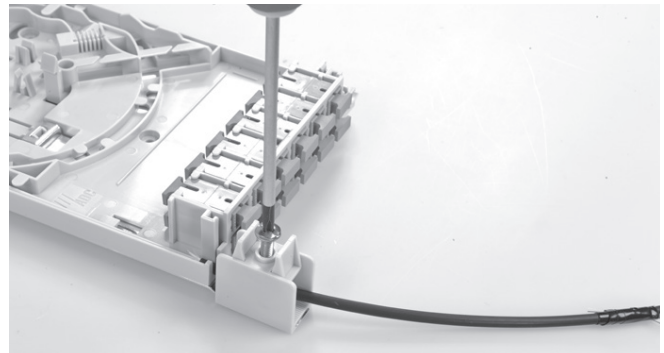


4.5 Incoming cable with a diameter $\varnothing > 6.5$ mm is secured with the external strain relief.

Slide the strain relief until it clicks into place. The arrow on the strain relief should point towards the termination side of the cable.

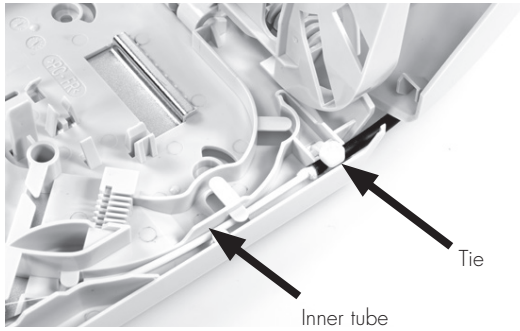


4.6 Adjust the cable with the base plate and mark the cable jacket 5mm below the edge of the base plate. Strip the cable jacket. Then strip the inner tube at the length of 100mm from the end of the cable jacket.

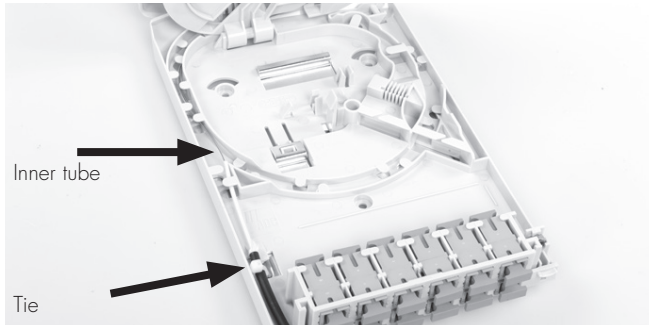


4.7 Secure the fiber tube of the cable loosely with tie wrap. Secure the screw of the strain relief.

B Incoming cable with a diameter Ø 3 - 6.5 mm

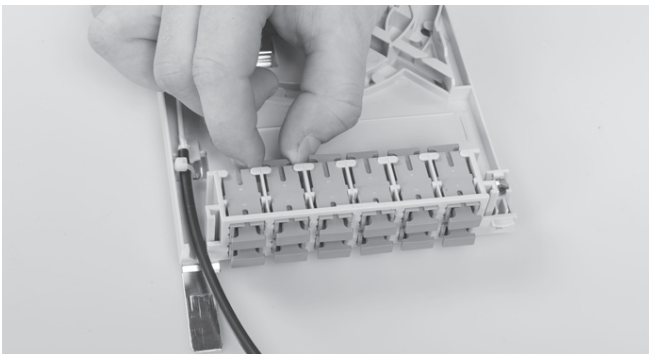


4.8 Top cable entrance. Secure the cable with tie wrap at the marked position. The tie wrap should only be slightly tightened to avoid micro bends in the fiber.

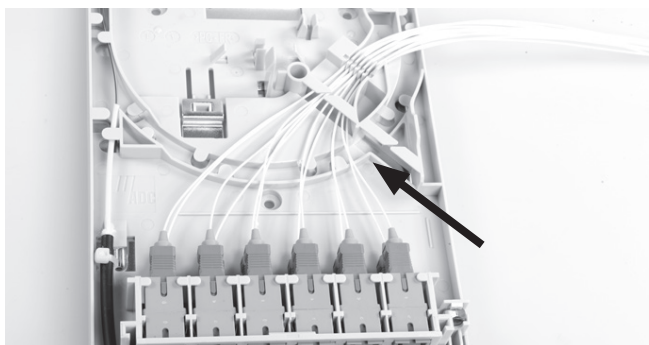


4.9 Bottom cable entrance. Secure the cable with tie wrap at the marked position. The tie wrap should only be slightly tightened to avoid micro bends in the fiber.

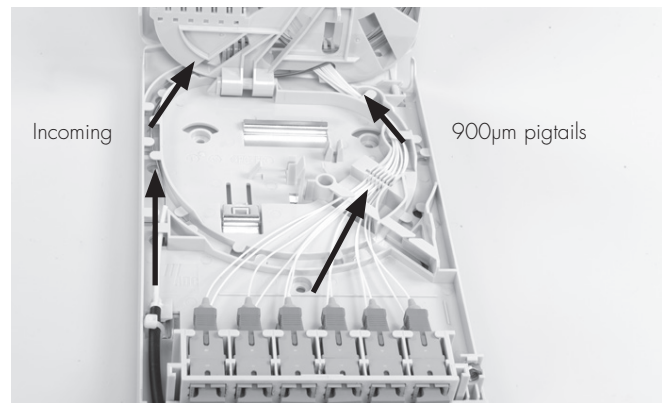
5 Fiber management



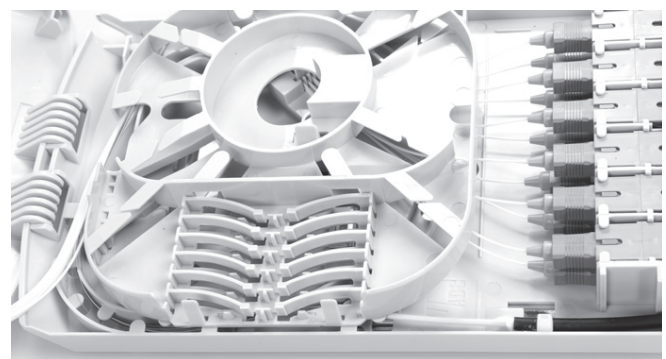
5.1 Remove all the plugs from the adapters



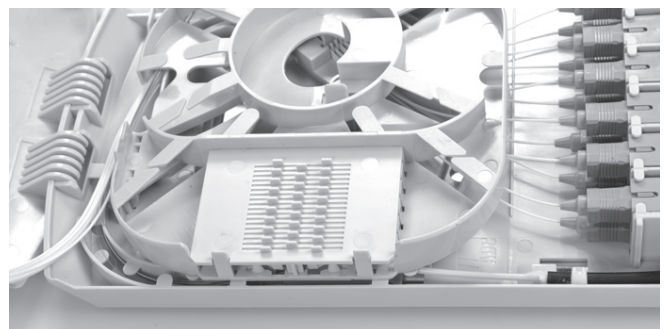
5.2 Plug in all the 900µm pigtails. Use the fiber holder when more than 12 900µm pigtails are used. One slot can hold up to 4 fibers (marked position).



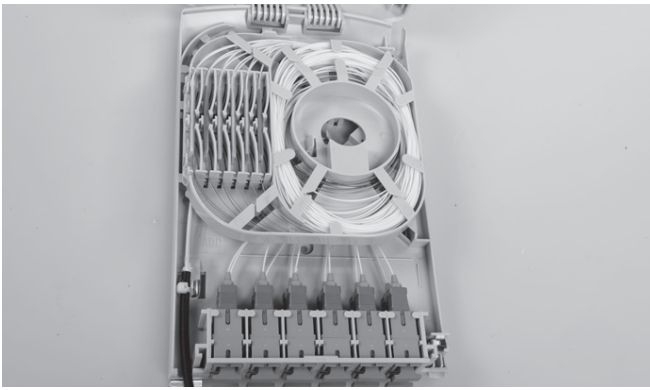
5.3 Fibers coming from the bottom entry of the box are routed to the splice cassette through a channel on the left side. 900µm pigtails are routed to the splice cassette on the right side. After closing the splice cassette, the fibers are laid into the cassette.



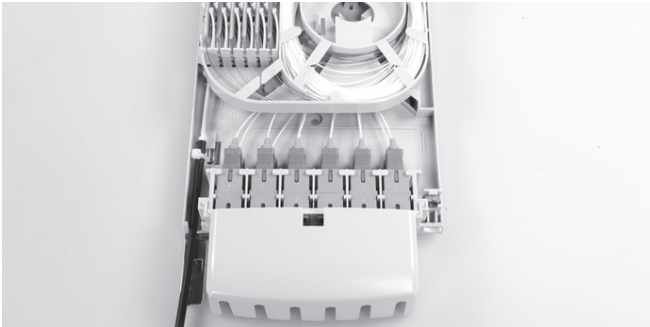
5.4 Remove the second splice holder before inserting the splices.



5.5 Crimp splice holder can be inserted.



5.6 Splice the incoming fibers with 900µm pigtails and store the overlength in the tray



5.7 Slide the cover into the lateral guide slots in the base and push the cover downwards.



5.8 To open the box with the cover in place, use a tool such as a screwdriver. Insert the screwdriver in the recess of the cover and push the grooved area of the lid.



5.10 Installed box

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