



ONECLICK



FIBER OPTIC DISTRIBUTION BOX

AR-DB-CD010P-HC-
70/30-1R-1B-8BL

1. DESCRIPTION

The equipment is used as an intermediate distribution point or a termination point for the feeder cable to connect with a drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box by customer's requirement at the factory. This is a sealed unit and meanwhile it provides solid protection and management for the FTTx network building.

2. FEATURES

1. Totally enclosed structure.
2. Material: PP, moisture proof, waterproof, dust-proof, anti-aging, protection level IP68.
3. Clamping, splicing, fixation, storage and distribution of feeder cable and drop cable are integrated.
4. The interior is equipped with 1x2 FTB splitter (unbalanced or balanced) +1x8 PLC splitter or just 1x8 PLC splitter and the bottom cover is welded by ultrasonic welding, which is non-detachable.
5. The box body can be wall mounted or derrick mounted, suitable for indoor and outdoor use.

3. SPECIFICATION

1. Environmental requirement

Working temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Relative humidity: $\leq 85\%$ ($+30^{\circ}\text{C}$)

Atmospheric pressure: 70KPa~106Kpa

2. Main technical datasheet

Insertion loss: $\leq 0.3\text{dB}$

UPC return loss: $\geq 50\text{dB}$

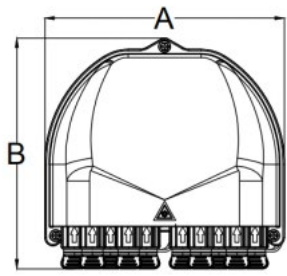
APC return loss: $\geq 60\text{dB}$

3. Thunder-proof technical datasheet

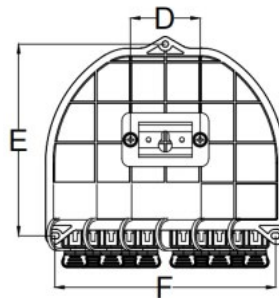
The insulation resistance between the grounding PLC device and the metal parts of the box is no less than $2 \times 10^4 \text{M}\Omega/500\text{V}$ (DC); $IR \geq 2 \times 10^4 \text{M}\Omega/500\text{V}$.

4. CONFIGURATION TABLE

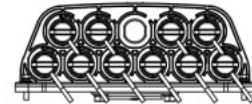
MODEL	Size (Pic) A*B*C	Max Capacity	Installation Size (Pic 2) D/E*F	Name
AR-DB-CDO10P-HC	179*171*66	1*8 PLC Splitter	52/142*165	CDO-S2-CT
AR-DB-CDO10P-HC-90/10-1R-1B-8BL	179*171*66	1*8 PLC Splitter	52/142*165	CDO-CI-90/10
AR-DB-CDO10P-HC-80/20-1R-1B-8BL	179*171*66	1*8 PLC Splitter	52/142*165	CDO-CI-80/20
AR-DB-CDO10P-HC-70/30-1R-1B-8BL	179*171*66	1*2 FBT + 1*8 PLC Splitter	52/142*165	CDO-CI-70/30
AR-DB-CDO10P-HC-60/40-1R-1B-8BL	179*171*66	1*8 PLC Splitter	52/142*165	CDO-CI-60/40



Pic 1 Box Size

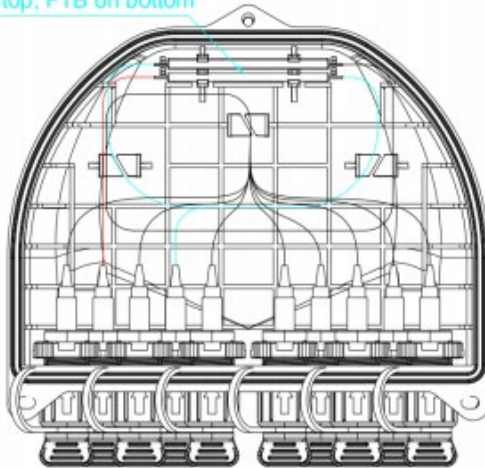


Pic 2 Installation Size

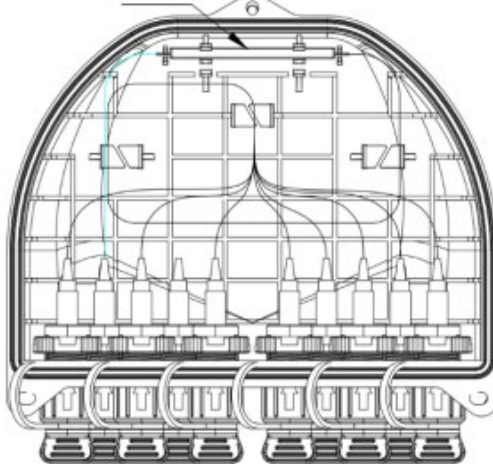


5. PRODUCT CABLE WAYS

PLC on top, FTB on bottom



PLC



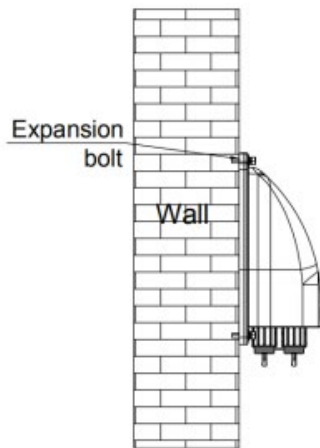
6. INSTALLATION

1. Wall-mounted installation

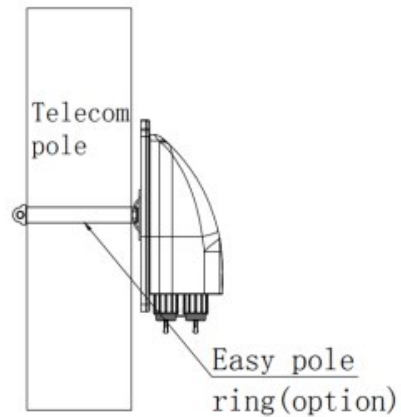
Drill 3 holes into the wall based on the size in table 1, place the expansion bolt $\Phi 7.5 \times 40$, place the box to match up the holes and use bolt to fasten. (Pic 5)

2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole (Pic 6)



Pic 5 Wall mounted installation



Pic 6 Pole mounted installation

7. FIBER CONNECTOR INSTALLATION



Pic 7 Remove the fiber connector cap and remove the ceramic ferrule cap



Pic 8 Insert and Pull out the fiber connector

8. ACCESSORIES

1. Users' Manual*1
2. Pole Ring*1 (Option)