ONECLICK

DISTRIBUTION BOX 8 PORT HARD CONNECT

AR-DB8P-HC-PW

1. OVERVIEW

Optical fibre cable distribution box is a wiring line device of user distributions in FTTH system, it provides protection and management for fiber cable, and be used for terminating, cable branching, cross connection.
It is mainly used for user access point in FTTH-ODN network , it can be divided into indoor and outdoor type according to the installation scenario, and can be divided into distribution type and optic-split type according to the function.
AR-DB8P-HC-PW is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for FTTx network building.

2. FOR THE ENVIRONMENT

- Operating temperature：-40℃～+65℃
- Relative humidity：≤95% (40℃)
- Atmospheric pressure：70Kpa～106Kpa
- Protection class:IP55

3. STANDARDS COMPLY

The following clauses quoted by this standard and become the standard clause. For dated references, subsequent amendments (excluding Corrigendum contents) or revisions do not apply to this standard, however, encourage the latest version of this specification according to the parties reach an agreement to study the possibility of using these files. The citated document without date, apply to the latest version of this specification.
UL 94, Test for Flammability of Plastic Materials for Parts in Devices and Appliances. Optical fiber cable distribution box.

4. MAIN SPECIFICATION

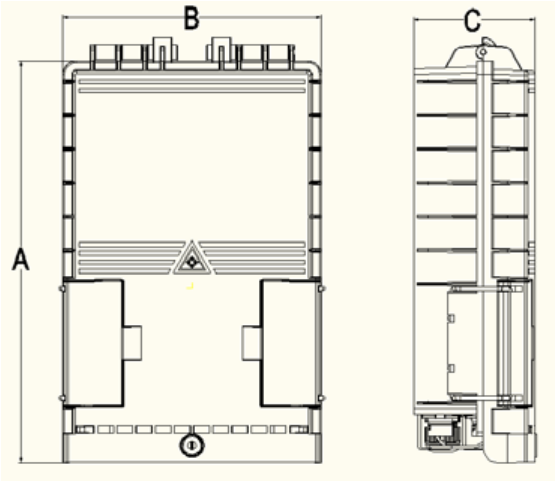
- TInsertion loss: ≤0.15dB.
- UPC return loss: ≥50dB.
- APC return loss: ≥60dB.
- Thunder-proof technical datasheet.

The insulation resistance between the grounding device and themetal parts of the box is no less than 2410×MΩ/500V (DC);IR≥2410×MΩ/500V.
The voltage resistance between the grounding device, and the box and its metal parts is no less than 3000V (DC)/min, no puncture,no flashover; U≥3000V .

6. AR-DB8P-HC-PW PICTURE

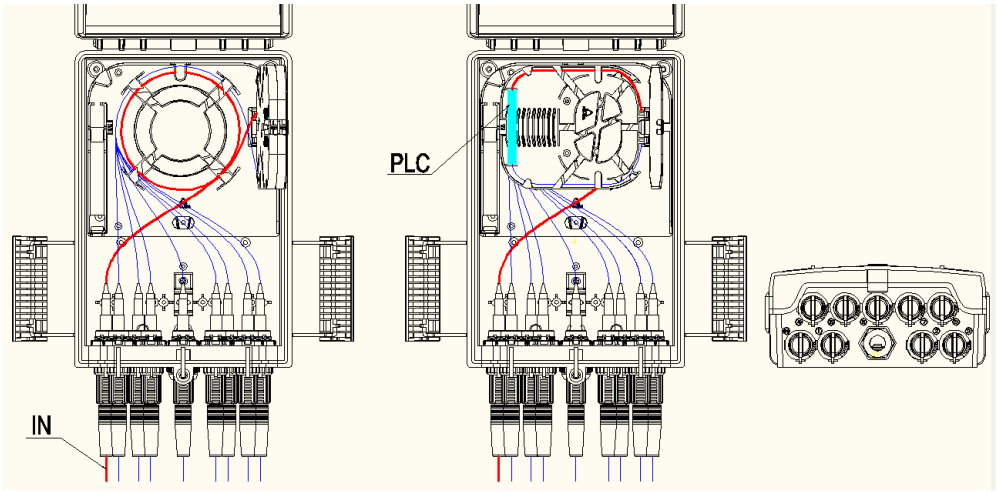
7. CONFIGURATION TABLE

Model	Description	Size (Pic 1) A*B*C	Max Capacity	Accessories
AR-DB8P-HC-PW	Splitter Box	274*175*82	9 (SC/APC 1/8)	1.Users' Manual*1. 2.Key*1. 3.Accessories Bag*1. 4.Pole Ring*2 (Optional).



PIC 2. BOX DIMENSION

8. FIBER ROUTING DIAGRAM



PIC 3 FIBER ROUTING DIAGRAM

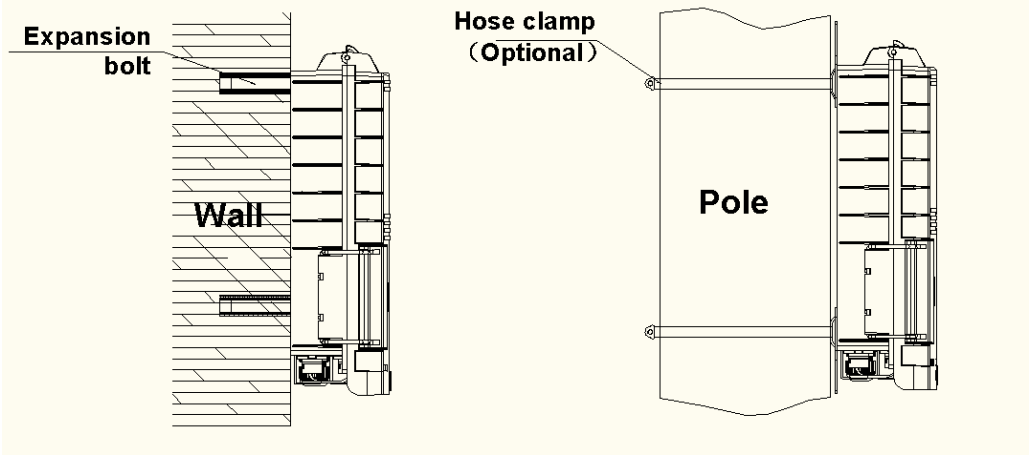
9. INSTALLATION

9.1 Wall-mounted installation

Drill 4 holes into the wall based on the size in table 1, place the expansion bolt Φ7.5*40, place the box to match up the holes and use bolt to fasten.

9.2 Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole, as below.



PIC 4 INSTALLATION

10. FIBER CONNECTOR INSTALLATION

PIC 5 REMOVE THE FIBER CONNECTOR CAP AND REMOVE THE CERAMIC FERRULE CAP.

PIC 6 INSERT AND PULL OUT THE FIBER CONNECTOR

11 PACKING

- Packing: carton.
- Storage temperature: -40 ℃ ~ +65 ℃.
- Storage humidity: ≤ 95% (30 ℃),no corrosive gases around.
- Transport: cars, trains, ships and aircraft.
- Transportation to avoid collisions, falls, rain and snow poured directlyattack and daylight exposure.