

## CNT-8BY



### 1. Description:

The equipment 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 the FTTx network building.

### 2. Features:

1. Totally enclosed structure.
2. Material: PC+ABS, 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 1 \* 2 FTB + 1 \* 8 PLC Splitter, and the bottom cover is welded by ultrasonic welding, which is not 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:  $70\text{KPa} \sim 106\text{KPa}$
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

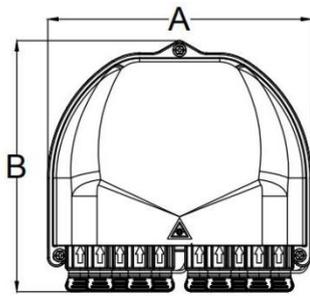
The insulation resistance between the grounding device and the metal parts of the box is no less than  $2 \times 10^4 \text{ M}\Omega/500\text{V}$  (DC);  $IR \geq 2 \times 10^4 \text{ M}\Omega/500\text{V}$ .

The voltage resistance between the grounding device, and the box and its metal parts is no less than  $3000\text{V}$  (DC)/min, no puncture, no flashover;  $U \geq 3000\text{V}$

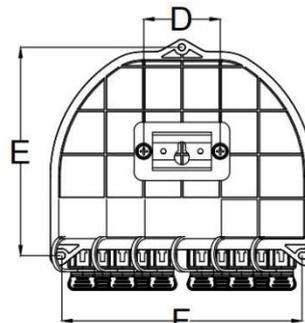
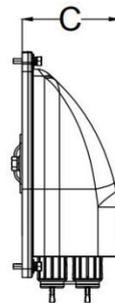
4. Configuration table:

Table 1 Model and configuration

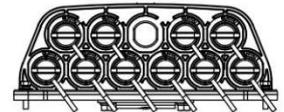
Model	Size (Pic 1) A*B*C	Max Capacity	Installation Size(Pic 2) D/E*F
CNT-8BY	179*171*66	1 * 2 FTB + 1 * 8 PLC Splitter	52/142*165



Pic 1 Box Size

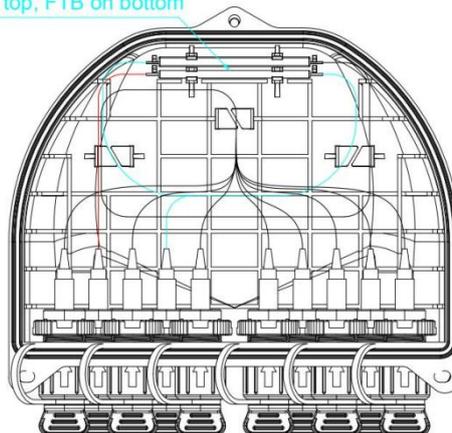


Pic 2 Installation Size



5. Product cable ways:

PLC on top, FTB on bottom



Pic.3 Cable Ways

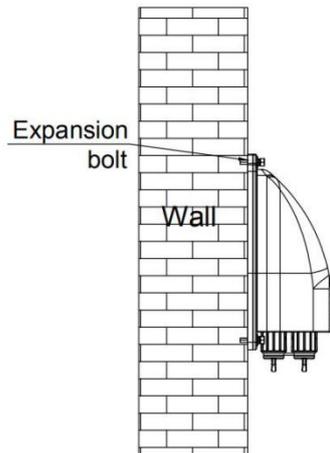
## 6. Installation:

### 1. Wall-mounted installation

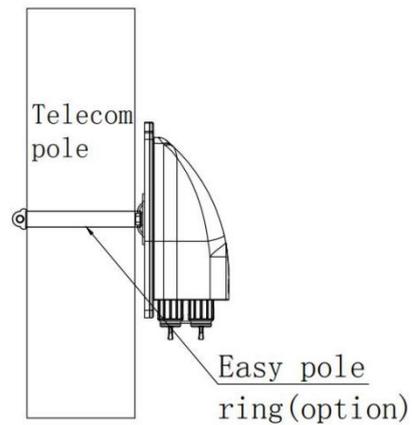
Drill 3 holes into the wall based on the size in table 1, place the expansion bolt  $\Phi 7.5 \times 40$ , place the box to match up the holes and use bolt to fasten. (Pic 4)

### 2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole (Pic 5)



**Pic 4 Wall mounted installation**



**Pic 5 Pole mounted installation**

## 7. Accessories:

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