# User's Manual

## SUN-ODN-F

**Fiber Optic Terminal Box**

**English**

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## Description

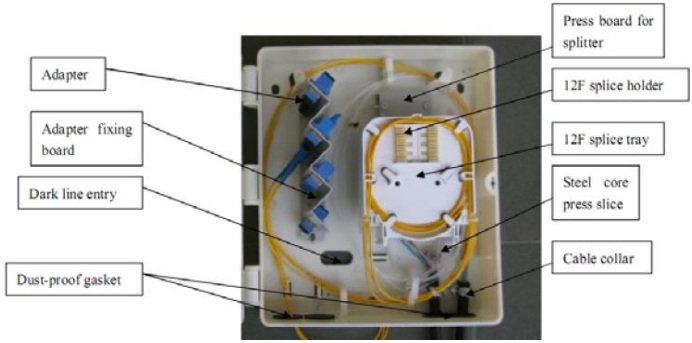
### 1. General Introduction

SUN-ODN-F Fiber Optic Terminal Box is used for protection from feeder cable in building to branch cable in FTTH of PON technology. It could be used for obligation, direct transmission, distribution and dispatch of finer inn nodes between feeder cable and branch fiber cable. The maximum capacity for this box is 36 fibers; it can be installed 4 x 1: 8 PLC splitters. It is especially suitable for building network construction with application of PON technology.

### 2. Main Technical Indexes

| | |
|---|---|
| **Cabinet material** | ABS |
| **Defense grade** | IP55 |
| **Insertion and drawing wear life-span (times)** | >1000 |
| **Operating temperature (°C)** | -40 ~ 60 |
| **Operating atmosphere pressure (kpa)** | 70 ~ 106 |

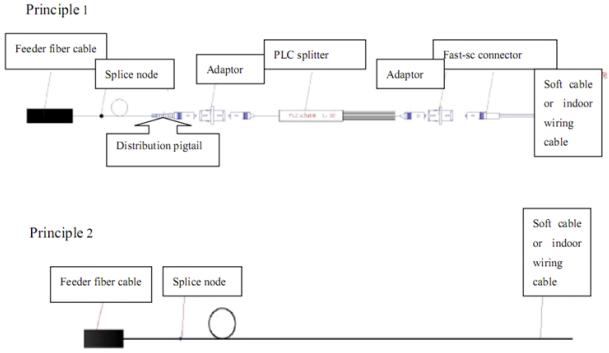
- **Function Description**




### 3. Work Principium Chart

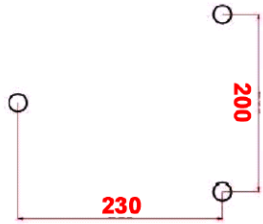
Interconnect between feeder cable and branch cable Feeder optic cable fuses with pigtail of active connector in input terminal of PLC splitter, the

branch cable can be connected the output terminal of splitter with FAST-SC connector, or spliced it directly and then fiber cable output.




## 4. Installation

- The box adopts wall-mounting installation method.
- Wall-mounting installation method：Drill 3 pieces holes for M8 expansion screws according to the following size, fix the expansion screws in the wall as application request, make the screws enter into box, and then tighten all the screws to finish the installation




## 5. Usage Guide

- Thread fibers, peel fiber cables and cover the protective sleeve:
- Thread the fibers through the adjustable connector into the box, the length determined by practical need, then coil, peel fiber cable and cut down a part of plastic protective sleeve with the length being from the fiber entry slot to the splice tray in the distribution district (length is based on the practical route). Cover the peeled fibers with protective sleeves. Bind the tape to the place where it peeled and sliced, together with the strength core. Then splice the feeder cable to the pigtail from distribution

output.

- Fiber cable fixation: Thread the reinforced core through the passing hole in the steel cord fixing pole on the fiber cable fixing board and then screw down the hexagonal bolt.
- Fusion of the direct transmission fiber cable: Open the cover in the direct transmission district, take out the splice tray, coil the direct transmission fiber cable on the splice tray canonically, fix up the fibers covered by protective sleeve on the splice tray, and cover the splice tray after the fusion.
- Fusion of the branch cable in the fiber tray, and can also use the fast connect to connect. The patch cord together with pigtail can be insertion and extraction, which is convenient to operate. Each pigtail with number in the place where can be peeled, is same as the panel.
- The dull of the spare patch cord: The spare pigtail dull district is on the left part of the cabinet. Thread the patch cord through the lead board ager the main stem and distribution being adjusted and coil the spare fibers onto the bobbin.

## 6. Transport and Storage

- This product should be stored in warehouse that is draught and dry without mordant air around;
- This product can be transported by car, train, airplane and sheep, etc and should be free from impact, falling off or pouring raid of rain or snow or insulation under direct sunshine.

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