User's Manual

SUN-ODB-OD2B Series

Fiber Optic Distribution Box

English

1. Scope of application

This user's manual is suit for SUN-ODB-OD2B series outdoor type wall mounted fiber optic distribution boxes, as the guide of proper installation. These are used for fiber optic cable fixation, protection, cable termination, patching etc.

2. Specifications

Parameters	Specification		
Max. No. of Cores	24	48	72
Adapter Type	FC square, SC, DLC (SC type), DSC, ST		
Box Material	Cold-rolled steel		
Dimensions (mm)	455(L) x 405(W) × 80(H)	455(L) x 405(W) × 120(H)	455(L) x 405(W) × 150(H)
Weight (kg)	7.4	8.4	9.7

3. Package List

No.	Product Name	Unit	Quantity
1	**Fiber Optic Distribution**	set	1
2	**Wall Bracket**	set	1
3	**Screw Set**	set	1
4	**Key**	pieces	2

5	**Protective Sleeves**	pieces	According to fiber core
6	**User's Manual**	piece	1
7	**Certificate**	piece	1

4. Operation

4.1 Installation Preparation

- Check the structures and types of fiber cables before installation; different fiber cables could not be spliced together.
- Seal well the connective components to reduce additional loss to fibers caused by dampness; don't apply any pressure on the connective components.
- Keep a dry and dustless working environment; don't apply any external force to the cables; don't bend or entwine cables.
- Appropriate tools should be used for cable splicing according to the local standards during the whole installation process.
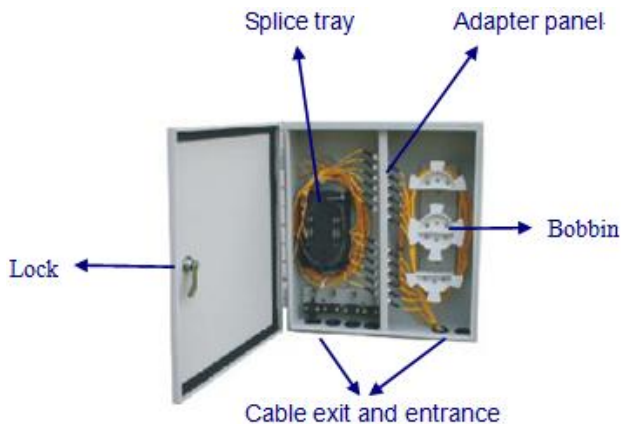
4.2 Take out the accessories package. While installing the terminal box on the wall, please choose a flat wall. Then install four expansion screws, tighten them with wrench.

4.3 Strip the cable, take off the outer and inner jacket and clean the filling compound. Wrapping insulation tape on the cable stripping place.

4.4 Fiber optic cable can be inserted from the entry ports on the bottom cover of the box, and conduct the fixation of fiber and the steel core on fiber fixing board. Fix the fiber and steel core.

4.5 Divest fiber loose tube by stripping clamp, protected the fiber by fiber protection tube, then leading in box.
Note: When introduced fiber into box, make sure to reduce the fiber coiling length as short as possible for this part, it can avoid the fiber break when operation.

4.6 Plug the connector of pigtail into adapter, coiling the pigtail and entrance the splice tray, sheath fiber protection tube on pigtail at the access of the splice tray, fix it by nylon ties.

4.7 Splicing the fiber with pigtail. And insert the fusion protective sleeves into sleeve holder. Then coiling the excessive fiber and make the marks.

4.8 After all the fiber has been connected, close the box by key.

4.9 Use the earth wire in accordance with the project plan.