

GF-KSW-48 Series of Fiber Optic Distribution Box

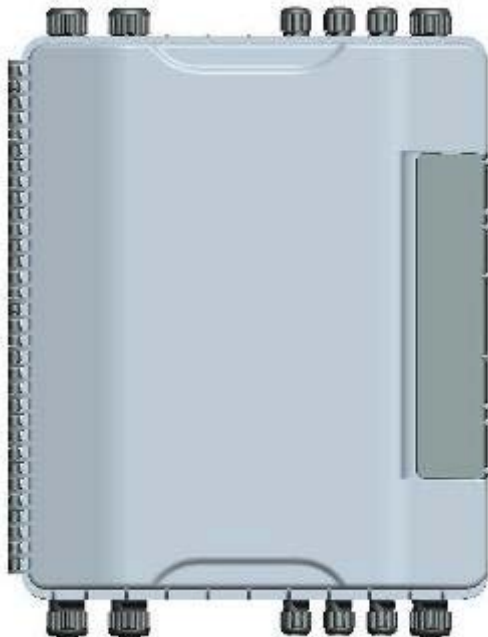
Instruction Manual

1. General Introduction

GF-KSW-48 series of fiber optic distribution box is applicable to fiber connection and distribution in fiber distribution network. The material is engineering plastic, good appearance and safe lock-structure, easy installation.

The box has following features:

1. Multi-functional conversion by changing fittings, to realize fiber distribution and fiber termination. Flexible application
2. Indoor/outdoor application, it is suitable for pole-mounted and wall-mounted fixing installation.
3. Varied of functions of fiber cable fixing, splice, spare fiber storage and patch jumper cable storage.
4. Fiber bending radius in every place meet the requirement, to protect fiber effectively.
5. Rotary design for adapter panel and PLC splitter mounting frame, easy to operate and maintenance.
6. Parking application, to ensure effective use of signal resource.

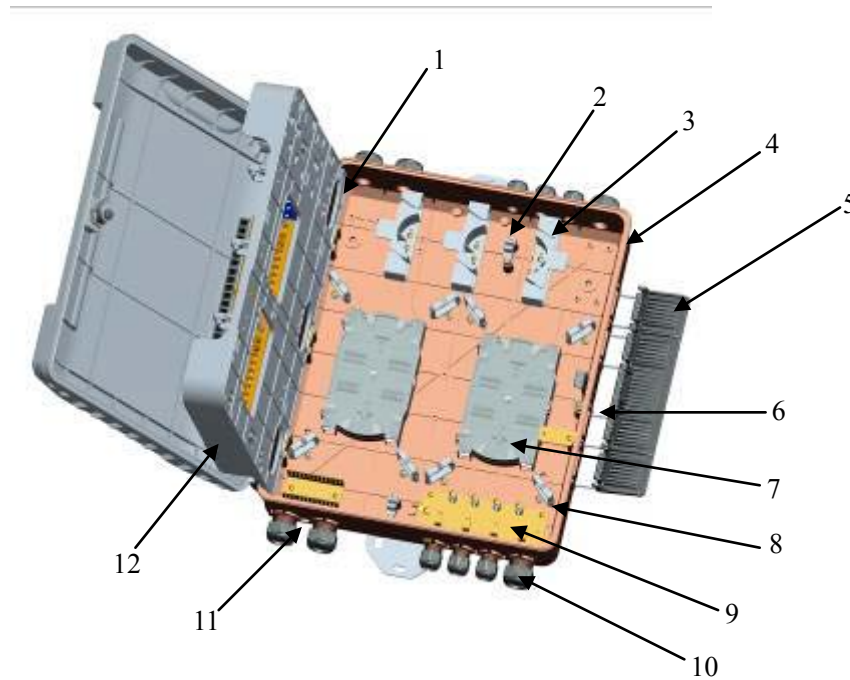


Picture 1: The appearance of GF-KSW-48 box

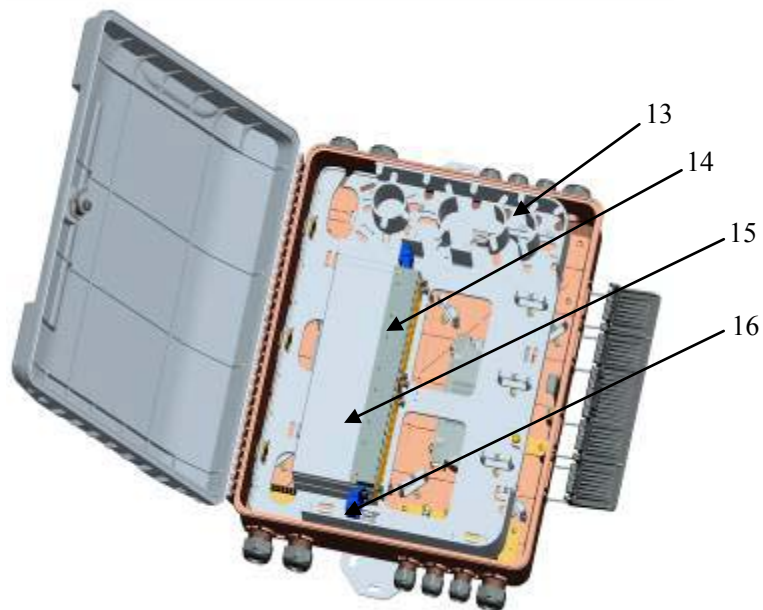
2. Structure

2.1 The box for fiber distribution (**Model: GF-KSW-48B**)

Composition by box, splice module, rotary plate, PLC splitter mounting frame and parking location. (See picture 2 and 3)



Picture 2: Inner layer structure (Same for A and B type)



Picture 3: Outer layer structure **GF-KSW-48B**

1. Holder 2. Fixing kit 3. Cable ring 4. Box 5. Pull buckle 6. Lock-tongue 7. Splice tray 8. Cable ring 9. Cable peeling and fixing kit 10. Input for cable 11. Output for drop cable 12. Drop cable holder 13. Storage place 14. Parking slot 15. Splitter housing 16. Packing with 16 position

2.2 The box for fiber termination (**Model: GF-KSW-48A**)

Composition by box, splice module, rotary plate, adapter panel mounting frame (See picture 4)

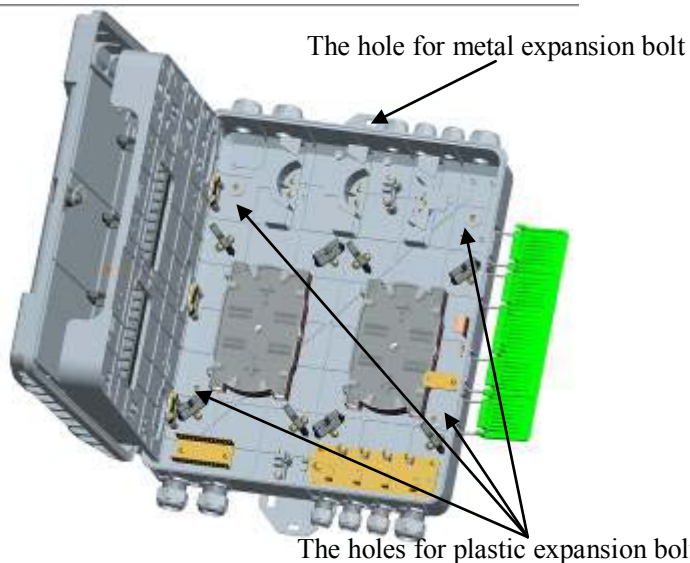


Picture 4: Outer layer structure

17. Adapter panel

3. Box fixing installation

Wall-mounted installation by using metal expansion bolt or plastic expansion bolt. Pole-mounted installation by metal hoop. See picture 5 and picture 6.



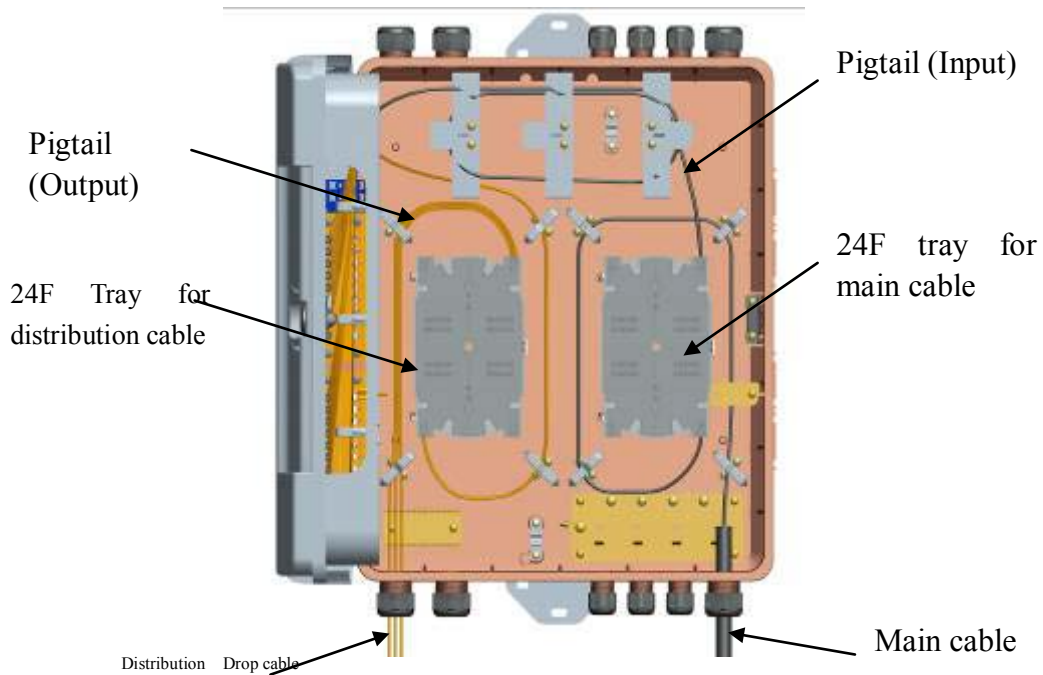
Picture 5: Wall-mounting



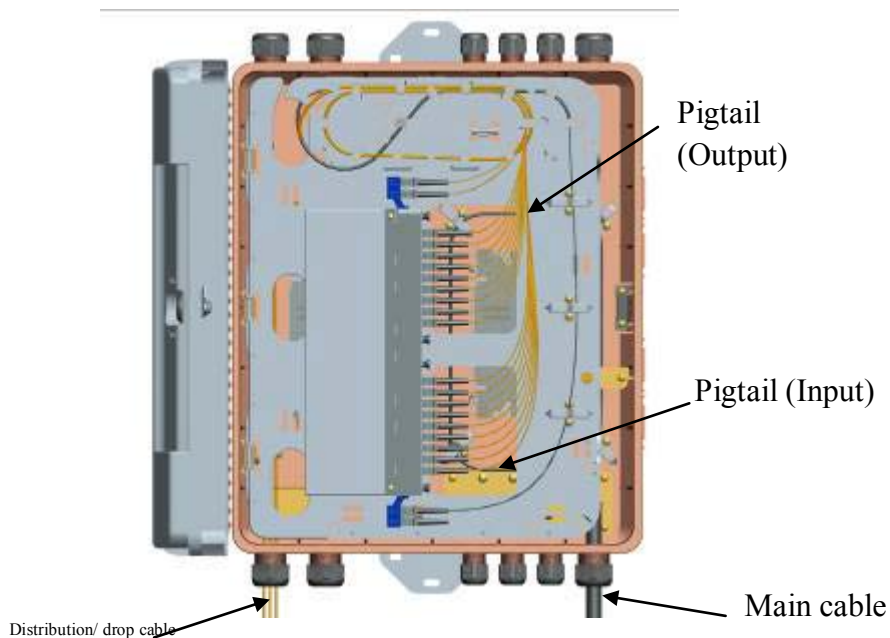
Picture 6: Pole-mounting

4. The procedure for internal construction

4.1 Fiber route principle of the box for fiber distribution (see picture 7 and 8)



Picture 7: Fiber route in inner layer

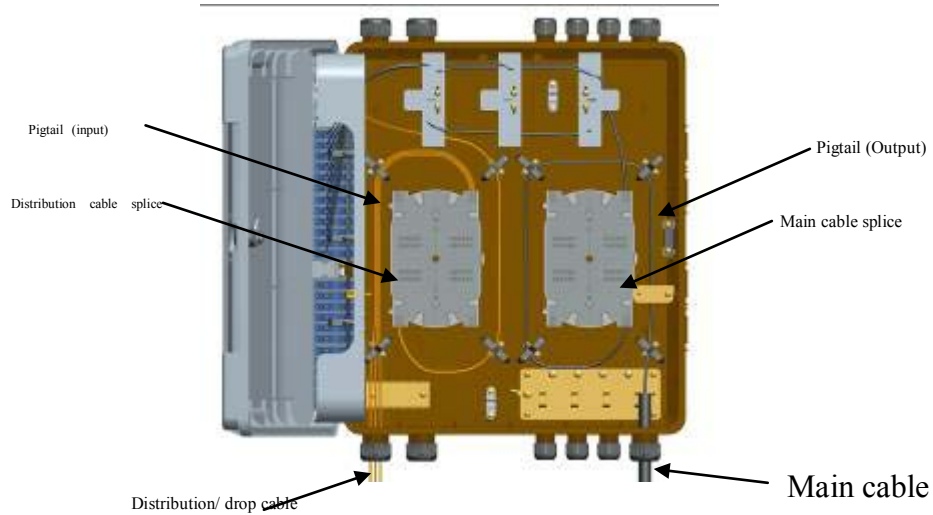


Open the turnover board to operate in inner layer. Cables entry the box by cable port, fix the stripped cable in stripper cable fixed panel, make the metal strengthen core grounding. Use EVA tube to protect stripped cable, then lead the

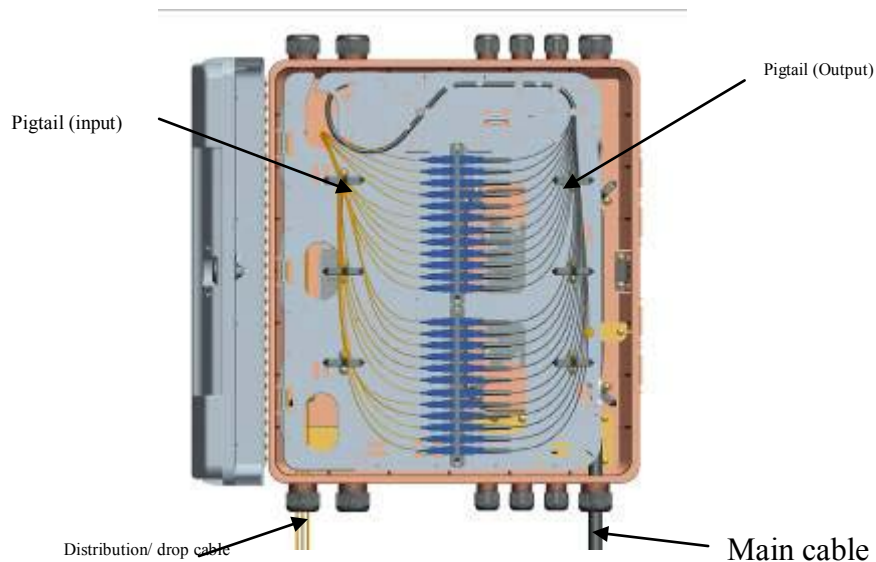
cable into splice tray.

Splice the fiber with pigtails, the other end with connector of pigtail go into outer layer, connect with splitter, storage the spare cables. Then soft cables go outside of box.

4.2 Fiber route principle of the box for fiber termination, see picture 9 and 10.



Picture 9: Fiber route in inner layer



Picture 10: Fiber route in outer layer

Picture 11: GF-KSW-48A

5. Dimension and Capacity Chart

Type	Product size (H*W*D)	Full load capacity	Remark
Fiber access to the terminal distribution box GF-KSW-48A	530*390*130mm	144F	24F tray
Fiber distribution box GF-KSW-48B	530*390*130mm	96 F	24F tray