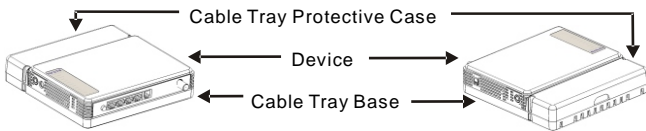


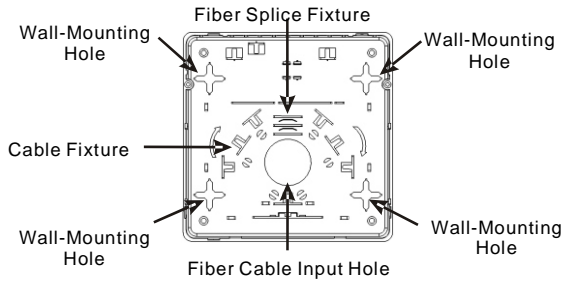
# HES Series Installation Guide

## Device & Cable Tray Base

### Front and Rear View



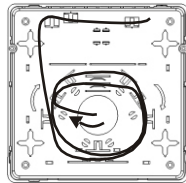
### Top View of Cable Tray Base



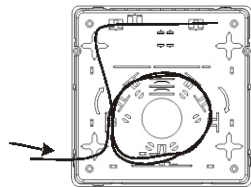
## Optical Fiber Installation

- A** Arrange fiber cable into the Fiber Cable Tray Base

**Method 1:** Use the centered Fiber Cable Input Hole to install fiber cable. Make sure fiber cable is installed in a clockwise direction.



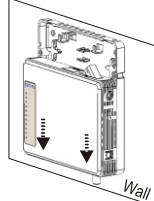
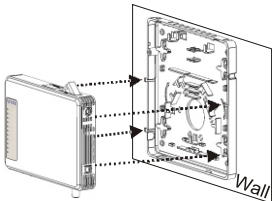
**Method 2:** Use U-shaped Fiber Cable Input Hole to install fiber cable. Make sure fiber cable is installed in a clockwise direction.



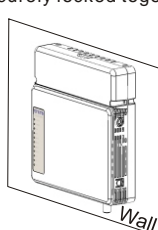
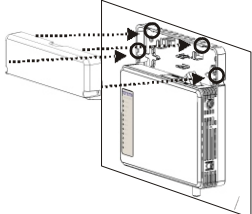
- B** Connect fiber cable with connectors to the fiber cable transceiver in the Device.

## Assembly

- A** Put the Device and the Cable Tray Base together. **B** Push the Device forward to lock it with the Base.



- C** Put the Cable Tray Protective Case back to the Base. **D** Make sure the Device, Base and Protective Case are securely locked together.



## Cable Tray Base Enhancement

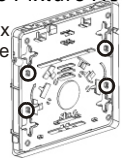
### Enhancement 1: U-shaped Fiber Cable Input Hole



There are 5 undrilled U-shaped Fiber Cable Input Holes reserved for flexible fiber installation. To use these holes for fiber installation, first use a mini hand drill to drill U-shaped holes as pre-outlined in the Cable Tray Base.

### Enhancement 2: Cable Fixture Hole

There are 4 Cable Fixture Holes provided to fix the cable with outer jacket firmly in the Cable Tray Base using a strap or plastic tie.



### Enhancement 3: Wall-Mounting Screw Hole



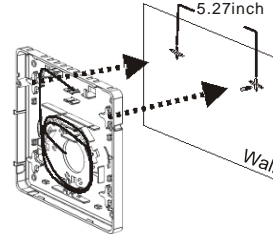
Once the Cable Tray Base is hung on the wall, use 4 screws to fix it on the wall firmly. After using these holes, the Cable Tray Base is not movable anymore.

## Wall-Mounting Installation

- A** Screw two bolts into the wall. **B** Hang the Cable Tray Base on the wall.

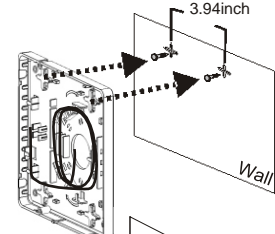
### Horizontal Direction

13.4cm or 5.27inch



### Vertical Direction

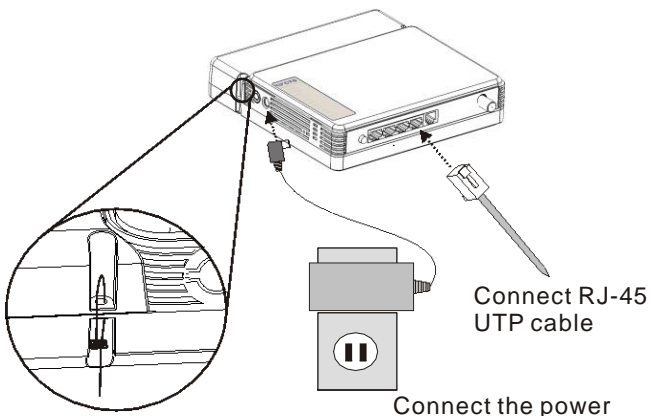
10cm or 3.94inch



- C** Use screws to fix the Cable Tray Base firmly on the wall.

**NOTE:** Screws are not provided.

## Connection



Thread a plastic tie through the locking hole and tighten it.

**NOTE:** Use the locking hole on the left and right side of the Cable Tray Base to protect the Device from unauthorized uses.

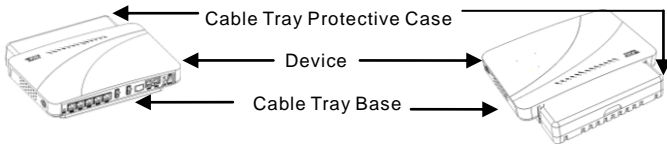
13.4cm or 5.27inch

Version: 2.0

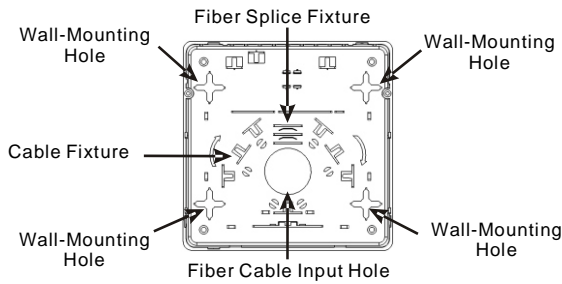
# VRG5/FWR5 Installation Guide

## Device & Cable Tray Base

### Front and Rear View



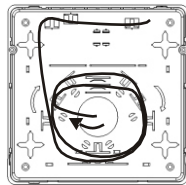
### Top View of Cable Tray Base



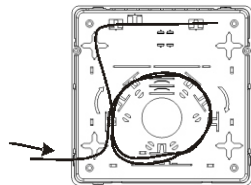
## Optical Fiber Installation

### A Arrange fiber cable into the Fiber Cable Tray Base

**Method 1:** Use the centered Fiber Cable Input Hole to install fiber cable. Make sure fiber cable is installed in a clockwise direction.



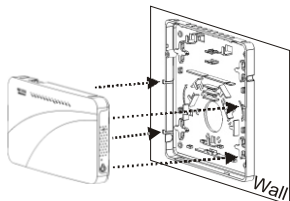
**Method 2:** Use U-shaped Fiber Cable Input Hole to install fiber cable. Make sure fiber cable is installed in a clockwise direction.



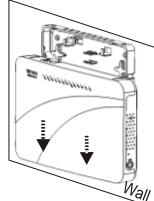
### B Connect fiber cable with connectors to the fiber cable transceiver in the Device.

## Assembly

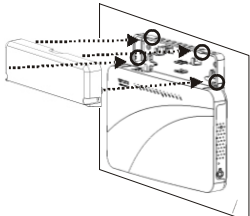
### A Put the Device and the Cable Tray Base together.



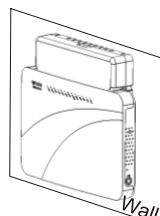
### A Push the Device forward to lock it with the Base.



### C Put the Cable Tray Protective Case back to the Base.

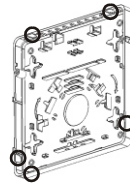


### D Make sure the Device, Base and Protective Case are securely locked together.



## Cable Tray Base Enhancement

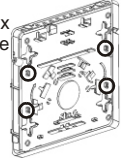
### Enhancement 1: U-shaped Fiber Cable Input Hole



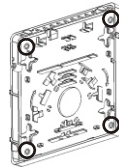
There are 5 undrilled U-shaped Fiber Cable Input Holes reserved for flexible fiber installation. To use these holes for fiber installation, first use a mini hand drill to drill U-shaped holes as pre-outlined in the Cable Tray Base.

### Enhancement 2: Cable Fixture Hole

There are 4 Cable Fixture Holes provided to fix the cable with outer jacket firmly in the Cable Tray Base using a strap or plastic tie.



### Enhancement 3: Wall-Mounting Screw Hole



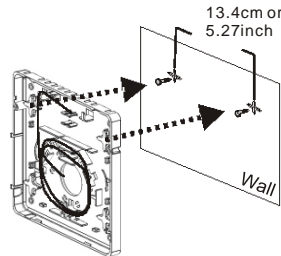
Once the Cable Tray Base is hung on the wall, use 4 screws to fix it on the wall firmly. After using these holes, the Cable Tray Base is not movable anymore.

## Wall-Mounting Installation

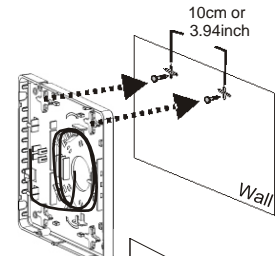
### A Screw two bolts into the wall.

### B Hang the Cable Tray Base on the wall.

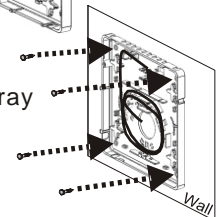
#### Horizontal Direction



#### Vertical Direction

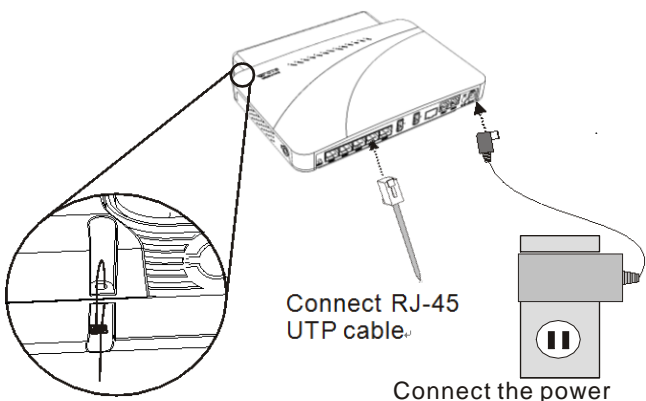


### C Use screws to fix the Cable Tray Base firmly on the wall.



**NOTE:** Screws are not provided.

## Connection



Thread a plastic tie through the locking hole and tighten it.

**NOTE:** Use the locking hole on the left and right side of the Cable Tray Base to protect the Device from unauthorized uses.