Package List

	301146866 NVSLGHTFIO-POE INDOOR/OUTDOOR-MDU-1F	
Component	**Description**	**Quantity**
Base, Indoor Outdoor Module		1
Cover, Indoor Outdoor Module		1
Adapter Insert, Indoor Outdoor Module		1
Mounting Screws		4
Instruction		1
Grommet 12 fiber MO Cordage		1
Grommet 24 fiber MO & 3.0mm EZ Bend Cordage		2
Grommet 4.8 mm EZ Bend Cordage		2
Blank Grommet		2
SC APC Adapter		1

1. General information

1.1. Product description

The Enclosure is a façade mountable point of entry module used to connect the access network to drop cables entering the premise. When used in an Outdoor façade FTTH deployment the network cabling either the OFS InvisiLight Façade M-Pak 24 or 12 fiber cable enters the enclosure on the first port on the left side bottom port and exits on the far right side bottom port. The center two ports are for EZ Bend drops. The access network fiber cable connects to either the InvisiLight 80 x 80 fiber that will enter the premise from the back of the base or to an EZ Bend assembly which can enter from the back of the base or from one of the drop ports. In the Indoor FTTH fiber deployment the application of connecting to the premise may also include the connection to a Home-Run cabling solution as well as the spool or EZ Bend assembly.
The enclosure is a point of termination of optical cables using field fusion splices, pigtail splices, connectorized assemblies, EZ fuse splice on connectors or mechanical connectors. Pre- terminated configurations minimize the amount of labor required during installation. Slack can be controlled by splicing the blunt end or storing the slacek in the ceiling with an indoor application or buried for an outdoor application.
The enclosure has capacity for up to 2 SC /APC adapters

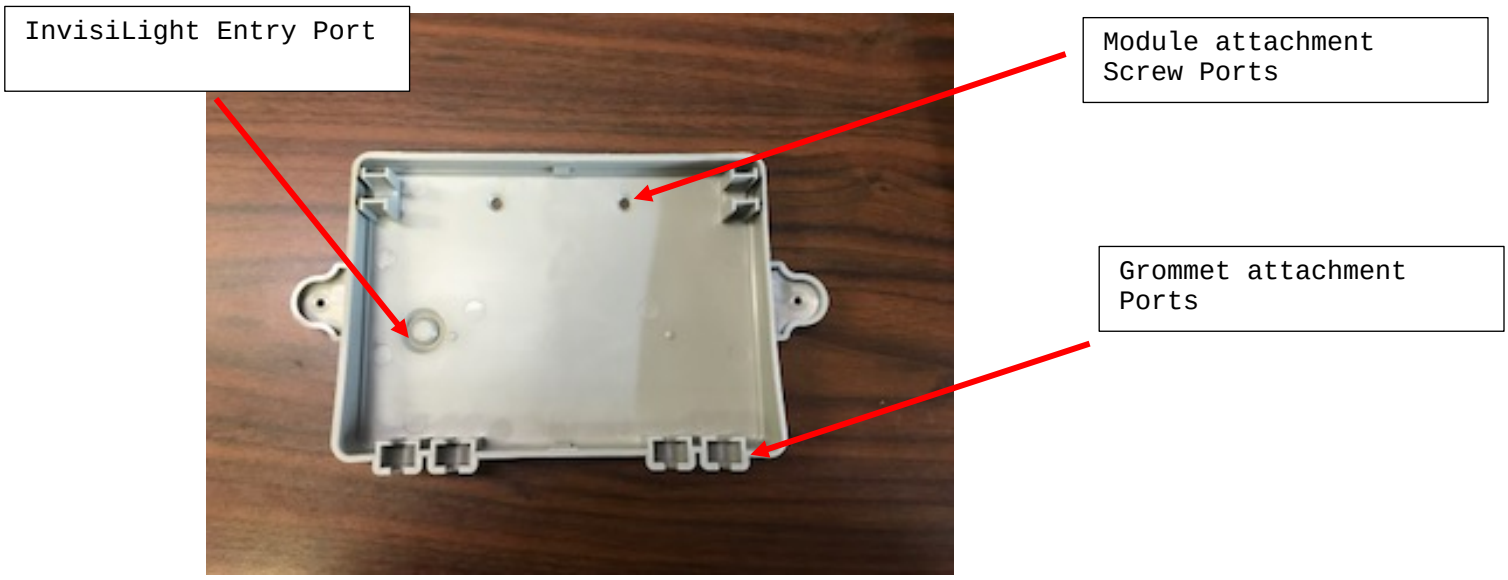
The enclosure can be mounted directly to a wall using provided hardware.

Dimensions: 185 X 118.7 X 38.1 mm (W x H x D).

Internal View with Spool

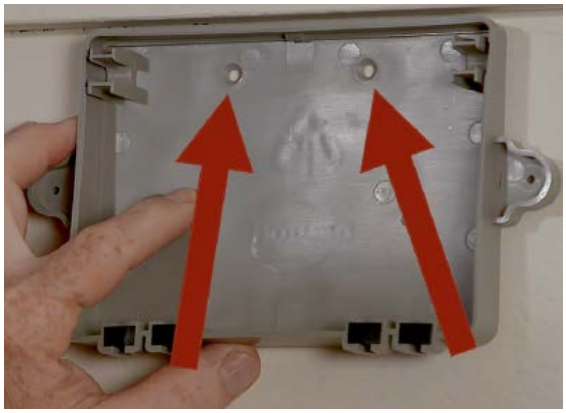
Instructions:

1. Remove the material from packaging being careful to retain the screws and grommets. Validate that the packaging material from the packaging list. Note the InvisiLight Spool is ordered separately.
2. Determine where the fiber or cables will enter the Indoor Outdoor Module. The InvisiLight will enter through the bottom surface of the back of the enclosure on the left hand side. Knock or drill out the entry port.



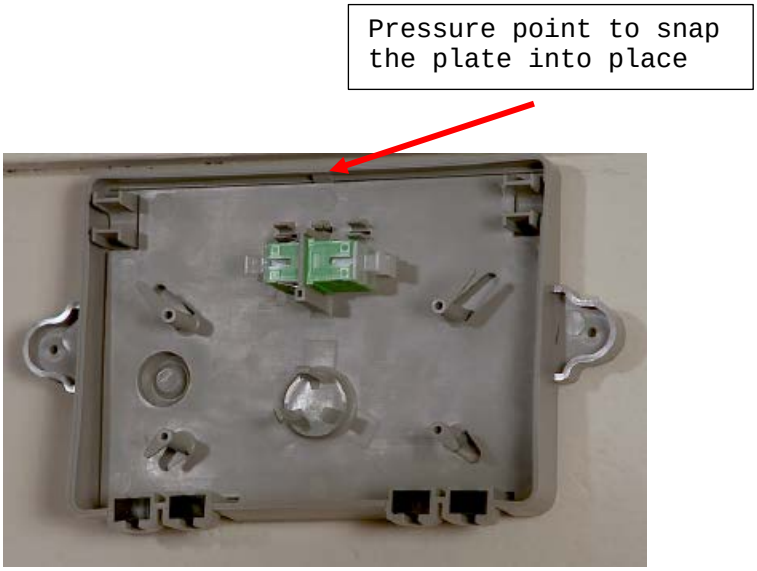
3. Remove the plate from the base. Use the base to mark the wall where the InvisiLight fiber will enter the premise. Make sure the base is level when the holes are marked. Make marks for the screw holes remembering to leave room for the cover if mounting near any obstruction such as siding above the module. Remove the base and drill holes based on the markings. Place the base back over the drilled holes and attach the base to the wall with a Phillips Head Screwdriver. Apply B-Sealant or RTV around the top of the screws.

NOTE: Follow Safety Guidelines and Local Practices when drilling holes into an unfamiliar wall. Drill two 7.5 MM OD X 31.75 MM deep holes for the wall anchors. If required, the third hole is for the cable. Sice the cable hole so that it easily passes through the wall.

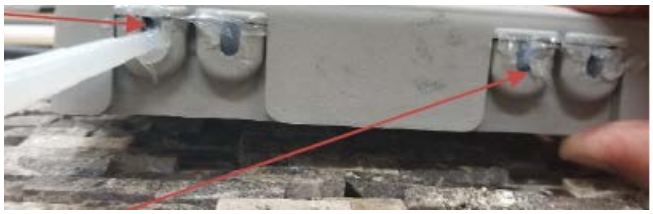


4. Install the appropriate grommet size for the cable OD. Insert Blank Grommets for ports that won't have cable entry. Apply B-Sealant around the four grommets when placing into the grommet slots.

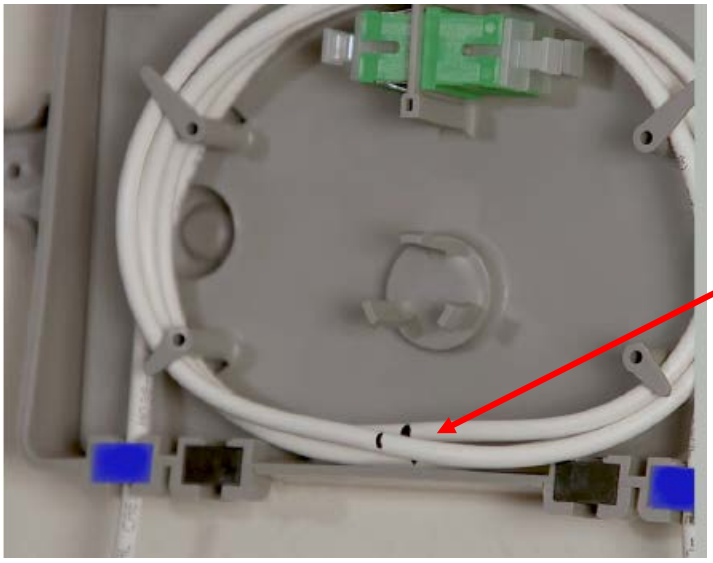
5. Mount the baseplate into the base making sure that the plate snaps in place by placing pressure near the clips in the center. Plate mounts in one direction with the two open corners placed at the top of the module.



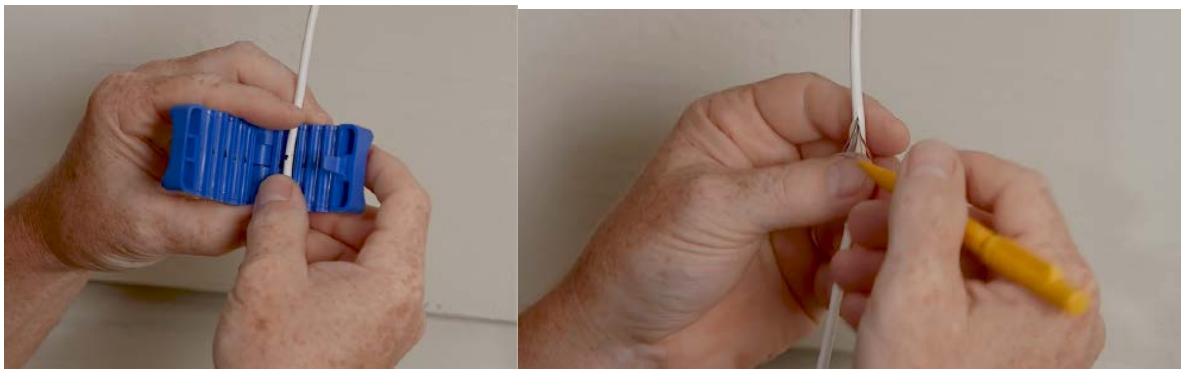
6. For flat drop cable do not use the grommet entry points. Use silicone sealant to fill and seal the cable port.
7. Add adapters if required.
8. Route incoming cable in the far left grommet port at the base of the module. Open split grommet and place cable in grommet. Loop three times around the four cable posts and exit the far right grommet port at the base of the module. Open split grommet and place the cable in the grommet. Be sure to cover the grommets outside facing surface with B-Sealant.

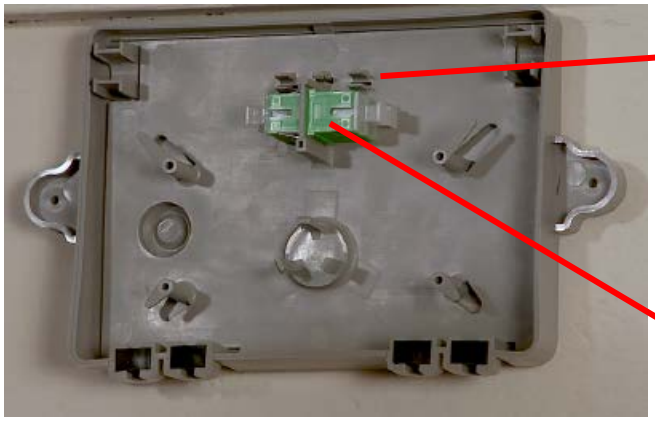


9. Mark the cable across the three loops at the bottom of the module. This will prepare for the start of the slit to open the cable to retrieve the fiber designated for the module. Unwind the cable from the module noting the placement of the three marks.

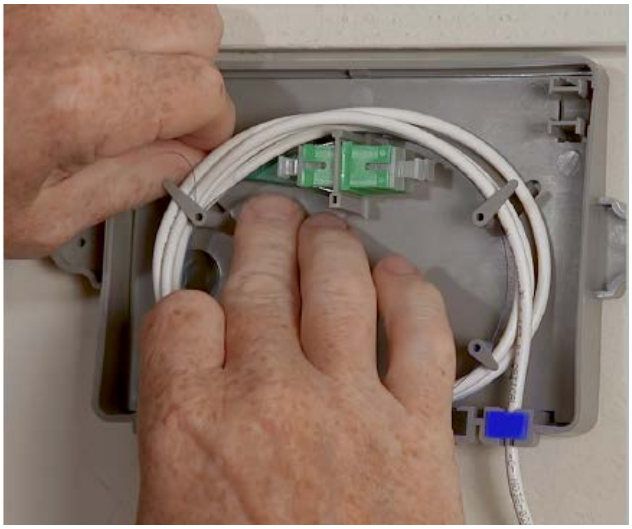


10. Slit each of the outer 2 marks approximately one to one and half inches. Use a spudger to access the fibers, on the right hand side of the cable, for the module that you are installing. Pull the fiber out of the jacket and cut the fiber. Then using the spudger access the fiber on the left hand side of the cable and pull the fiber from the jacket exposing the fiber. The fiber will be utilized to attach either a splice or connector in order to connect to the drop fiber. Connectors can be applied by one of three methods: splicing a pigtail, an EZ Fuse splice on connector or mechanical connector. Stow the completed splice in the splice holder located at the top of the splice tray above the adapter port.



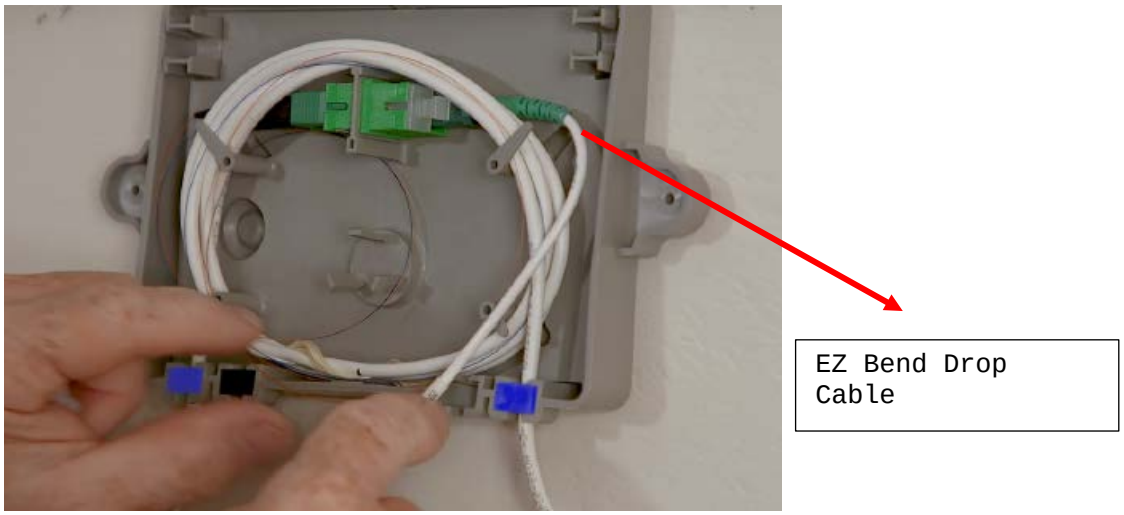


11. Insert the connector into the adapter.

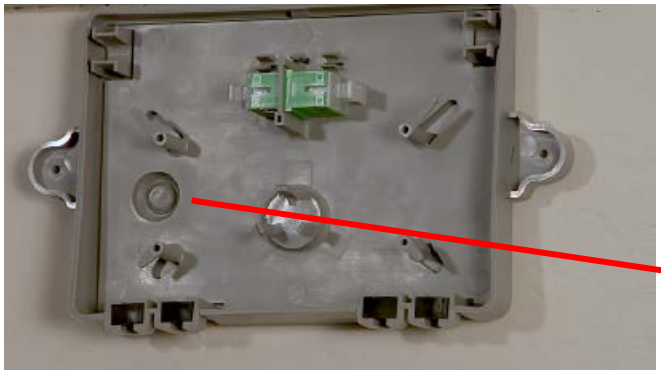


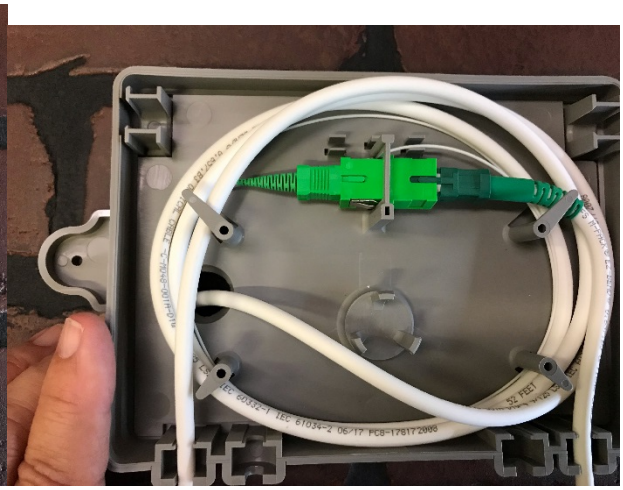
12. Recoil the three loops of the cable back into the module. Gently store the excess fiber loop around the cable posts on top of the cable loop.

13. Addition of the drop cable. An EZ Bend drop cable can be added by entering one of the two cable ports at the base of the module. The InvisiLight drop can be added by placing the spool on the spool bracket and the fiber is routed into the premise from the back of the base.



14. Either an EZ Bend assembly or the fiber from the Invisilight spool can enter the premise from the back side of the module. If this method is preferred then the hole should be drilled through the module into the premise prior to assembling the cable. Once the fiber is placed through the wall with the InvisiLight wall through tool then the hole should be sealed with B-Selant .





15. Place the cover over the finished assembly and screw the cover to the base.

Ordering Information:

301146841 NVSLGHTFIO-POE MODULE INSIDE ADAPTER
InvisiLight Indoor/Outdoor POE Module without the adapter

301146858 NVSLGHTFIO-POE MODULE E/W LCA ADAPTER
InvisiLight Indoor/Outdoor POE Module with an LC APC adapter

301146866 NVSLGHTFIO-POE MODULE E/W SCA ADAPTER
InvisiLight Indoor/Outdoor POE Module with an SC APC adapter

MS-26 LARGE MID SPAN SLITTER
Jonard Jacket Slitting Tool for 3.8 and 4.8 mm cable

MS-6 MID SPAN SLITTER
Jonard Jacket Slitting Tool for 3.0 mm cable

