

## Indoor/Outdoor Patch & Splice Enclosure – IP68

The LYNN HyperDrop PAS Mini IP68-rated patch and splicing enclosure is unique, small and easy to install in a variety of environments, such as underground burial, pole mount, wall mount or wire suspension. The all-plastic housing is made from an ABS and poly-carbonate (PC) blend with UV inhibitors to ensure a long service life in a variety of conditions.



## KEY FEATURES

- Ideal for splicing & coupling fiber, twisted pair & other low-voltage cables
- IP68-rated for outdoor installation
- Easy-to-open design with water-tight latching
- Includes easy-to-see fiber splicing tray
- Included grommets accommodate a variety of cable sizes & constructions
- Compatible with fiber couplers, fiber splice connections, keystones & other barrel-style couplers

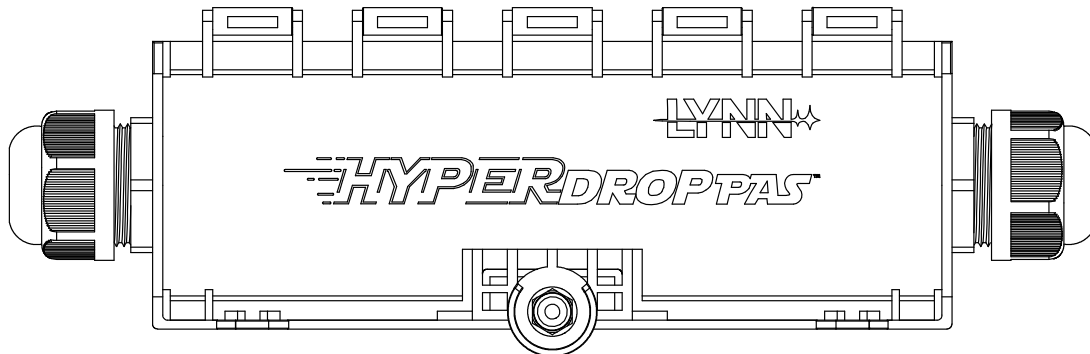
## ORDERING INFORMATION

| Part Number  | Description   |
|--------------|---|
| HDPAS-M-FTTX | HyperDrop PAS Mini FTTx — in-line IP68 splice/coupler kit |
| HDPAS-M-KIT  | HyperDrop PAS Mini Kit — in-line IP68 splice/coupler kit  |

## WARNING



There should be two to three threads visible when tightening the sealing nuts over the compressible fitting and rubber grommet. There is a potential of breaking the IP68 rating if using hand tools to tighten the sealing nuts onto the HyperDrop PAS Mini.



## INCLUDED ACCESSORIES

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- Splice enclosure
  - Universal mounting brackets with hardware
    - M4x6mm screws with red threadlocker (2 ea)
    - Drywall anchors with M4x25mm self-tapping wood screws (2 ea)
    - M4x12mm screws with blue threadlocker (2 ea)
    - M4 wingnuts (2 ea)
  - Internal splice tray (installed in enclosure)
  - Type A fusion splicing tubes (2 ea)
  - Large zip ties; 4.5x192mm (4 ea)
  - Small zip ties; 2.5x100mm (2 ea)
- Cable grommets
    - 3mm round (installed in enclosure)
    - 5mm round
    - 8mm round
    - 11mm round
    - 5x9mm flat
  - Simplex SC/APC coupler
  - Duplex LC/UPC coupler (HDPAS-M-Kit only)
  - Coax barrel-style coupler (HDPAS-M-Kit only)
  - CAT6 keystone coupler (HDPAS-M-Kit only)

## OPENING AND CLOSING THE ENCLOSURE

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1. Unscrew the embedded screw with a 3/8-inch nutdriver.



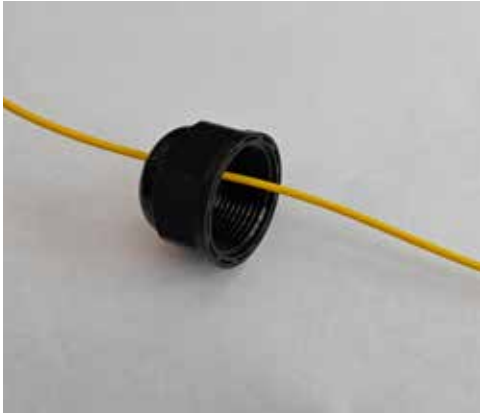
2. Carefully lift one tab away from the housing until a click is heard.



3. Repeat the same process for the other tab.

The process to close the enclosure is the reverse of opening the enclosure. Due to the orange grommet that lines the lower tray area, some force is needed to close the housing. The locking tabs will make an audible click when a proper seal is made.

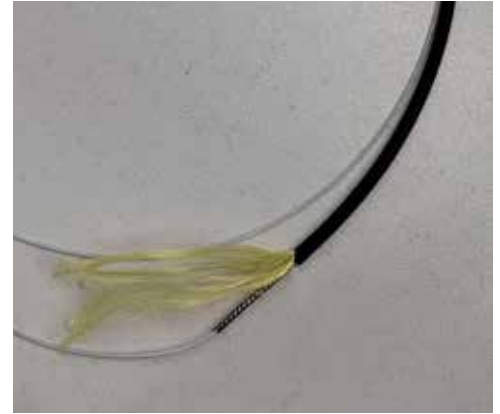
## ROUND FIBER SPLICING



1. Remove the sealing nut from the enclosure and feed it onto the cable.



2. Install the smallest grommet that fits over the outer jacket over the cable.



3. Remove 0.5 to 1 m (~1.5 to 3 ft) of outer jacket material and trim the aramid fiber to 30mm (~1 1/4 in).



4. Feed the cable into the enclosure opening and thread the sealing nut onto the enclosure hand-tight. Make sure there are no aramid fibers sticking through the rubber grommet.



5. Secure the cable and aramid fiber to the splice tray with a small zip tie. Cut off the excess end of the zip tie.
6. Repeat the process for the other end.



7. Install the fusion splicing tube into the splice tray and wrap the excess fiber in the tray before fusing the ends of the fiber together.

## FLAT-DROP FIBER SPLICING

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Installing flat-drop fiber optic cable is nearly identical to using round fiber optic cable with a couple additional steps.



1. Remove 0.5 to 1 m (~1.5 to 3 ft) of the copper trace wire from the cable.



2. Deburr the rough edges of the outer jacket so there will be a tight seal.



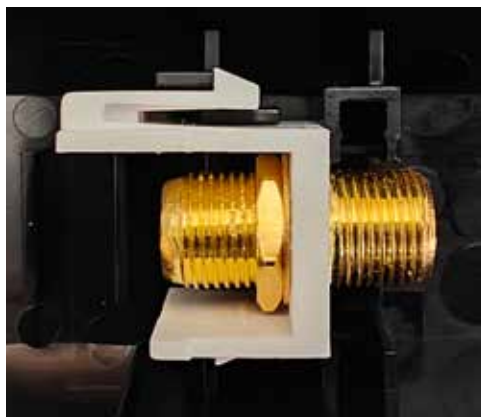
3. Follow the instructions for the round fiber optic cable using the flat-drop grommet. Verify the flat-drop cable is on the same plane as the splice tray before tightening the sealing nut and the trace wire is outside the grommet.

## COUPLER AND KEYSTONE MOUNTING

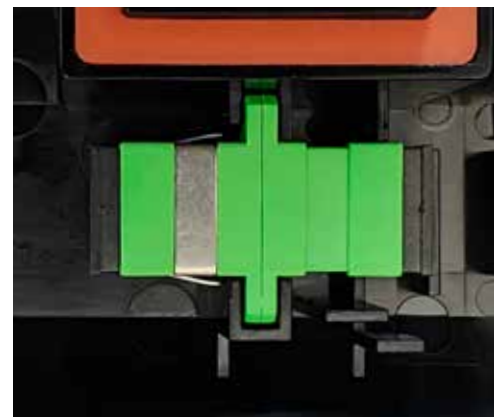
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Removing the splice tray reveals some support structures for keystone jacks and fiber optic couplers.



The squeezable tab on keystone jacks must be fitted between offset supports to keep the patches aligned.



Fiber optic couplers will fit in the center of the enclosure base.



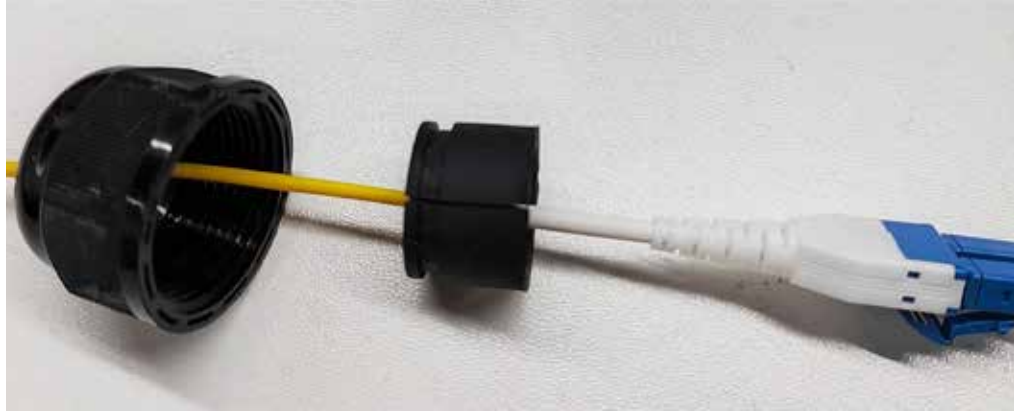
## ROUND CABLE PATCHING

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The following procedures work for most types of pre-terminated round cable.



1. Install the appropriate coupler into the enclosure.



2. Slide the sealing nut and smallest compatible grommet onto the cable.



3. Install the cable and connect it to the coupler or keystone jack.



4. Repeat for the other end and thread the sealing nut onto the enclosure hand-tight.

## WALL MOUNTING

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1. Use the screws with red threadlocker to secure the mounting brackets in-line with the enclosure.



2. If using the drywall anchors, install them 9 in apart. Install the wood screws into the holes onto the lower hole of the mounting bracket.



3. Use a large zip tie to attach the cable to the hook of the mounting bracket as a strain relief. Don't forget to cut off the excess zip tie.

## POLE MOUNTING

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1. Use the screws with red threadlocker to secure the mounting brackets in-line with the enclosure.



2. Run the clamp band inside the hooks of the mounting brackets. The top to bottom distance is 11 1/2 in.



3. Use a large zip tie to attach the cable to the hook of the mounting bracket as a strain relief. Don't forget to cut off the excess zip tie.

## AERIAL MOUNTING

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1. Use the screws with red threadlocker to secure the mounting brackets perpendicular to the enclosure.



2. After hanging the enclosure from the aerial, use the screws with blue threadlocker and wingnuts to secure the enclosure.



3. Secure the excess cable to the aerial and the top corners of the enclosure with the large zip ties.



4. Don't forget to cut off the excess zip tie ends.

## WARRANTY

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The Limited Warranty set forth below is provided for LYNN, Platinum Tools and TechLogix Network branded products, manufactured and supplied by NSI-LYNN Electronics, and provided through an authorized reseller as determined by NSI-LYNN Electronics. This warranty provides you with specific legal rights, and you may also have other rights which vary from state to state.

Unless otherwise noted, LYNN, Platinum Tools and TechLogix products carry a 1 Year Limited Warranty when purchased by you and delivered to you in new condition in its original container. Products are warranted against defects in materials or workmanship for the period of 1 year after the initial date of purchase from an authorized reseller.

Select LYNN, Platinum Tools and TechLogix products carrying a "Lifetime Warranty" are marked as such and are warranted against defects in materials or workmanship for the life of the product in the original installation or the period of 25 years after the initial date of purchase from an authorized reseller, whichever comes first, provided the products are used in their intended application as determined by LYNN.

A list of authorized resellers is available directly from NSI-LYNN Electronics.

When returning a Product for warranty service, you must first contact LYNN directly and obtain an "RMA Number." The shipping charges must be prepaid and the Product should be shipped in its original container, or an equivalent, properly packed to withstand the hazards of shipment and be fully insured. LYNN will not accept for return any Product which is not defective. Any returned Product determined by LYNN in its sole discretion not to be defective will be returned to you.

Within 30 days of LYNN's receipt of a defective Product which is determined by LYNN in its sole discretion to be defective upon inspection, LYNN will, at LYNN's sole election, (1) repair the product with new or comparable rebuilt parts, or (2) replace the Product with a new or refurbished Product or equivalent Product as determined by LYNN, and LYNN will ship the repaired or replaced Product to you at no charge.

LYNN may in the future make substitutions or design changes in the same or similar products without notice to you and without any obligation to make the same or similar changes to your Product.

This warranty does not cover:

- Malfunction resulting from the use of the product other than as specified in the user manual;
- Installation-specific wiring;
- Malfunction resulting from abuse or misuse of the product;
- Malfunction occurring after repairs have been made by anyone other than LYNN or any of its authorized service representatives;
- Acts of nature;
- Lack of proper maintenance;
- Abnormal conditions of temperature, moisture, or corrosive matter;
- Any alteration in such a manner which in LYNN's judgment adversely affects the product;
- Loss of, damage to, or malfunction of the Product resulting during shipment;
- Cosmetic damage;
- and Items that are considered custom or made-to-order.

NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO A PRODUCT SHALL BIND LYNN. LYNN SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL, DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, A PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF LYNN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST LYNN BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY LYNN AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF LYNN (SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU). THIS LIMITED WARRANTY STATES YOUR EXCLUSIVE REMEDY.

The provisions of the Limited Warranty shall be governed by the State of Pennsylvania in the United States, without regard to any conflicts of laws rules that would cause the application of the laws of any other jurisdiction. Any dispute arising under this Limited Warranty must be brought in the state or federal courts sitting in Montgomery County, Pennsylvania.