TECHNICAL ADVISORY BULLETIN
Reduce Strain on LPR48-300 Input Cable

Date: 23-Jun-2020
Model #: LPR48-300
Part #: PN 0120049-001

Issue

Insufficient cable length between the strand connection and the LPR48 module input can lead to excess strain on the cable housing. This creates an upward pulling force on the housing which increases the chance of the **internal connector seal being deformed**, which may lead to water ingress in some scenarios. An example of this is shown in *figure 1*.

Figure 1 - Excess strain on the input of the LPR48 module can pull the cable housing upwards and possibly deform the internal connector seal

Corrective Action

- Provide instructions with diagrams for **two different solutions** on how to route the cable to **avoid unnecessary strain**, which are to be used during installation.

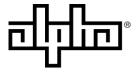**Solution 1** – S-shape cable routing before connecting to LPR48 input

The first solution is to route the input cable between the strand and the LPR48 module input connection in an **S-shape**. This ensures that there is sufficient cable length such that the connector enters the module horizontally to avoid excess strain on the housing.

Figure 2 – Routing the cable in an S-shape allows the cable connector to enter horizontally which eliminates the upward pulling force on the cable housing

Solution 2 – Strain relief loop before connecting to LPR48 input

The second solution is to create a **4" strain relief loop** underneath the strand before connecting to the input of the LPR48 module. This ensures that the cable connector enters the module horizontally to avoid excess strain on the housing.

Note: Verify that the loop of the cable does not sit below the bottom of the LPR48 Module.

Figure 3 - Strain relief loop allows the cable connector to enter horizontally which eliminates the upward pulling force on the cable housing

For additional assistance or if you have any questions regarding this notification, please contact Alpha Technical Support at 1-888-462-7487 or www.alpha.ca/report-a-problem.

Sincerely,

Satheesh Hariharan
Sr. Product Manager, Outside Plant Solutions
Alpha Technologies Ltd.
Satheesh.Hariharan@alpha.ca

David Veraguth
Sr. Technical Support Representative
Alpha Technologies Ltd.
David.Veraguth@alpha.ca

For assistance, contact Alpha Technical Support:
Toll Free North America: 1-888-462-7487
International: +1-604-436-5547
Monday - Friday, 7:00 AM - 5:00 PM PST for regular inquires
24/7 for emergency support
Click here to report a problem