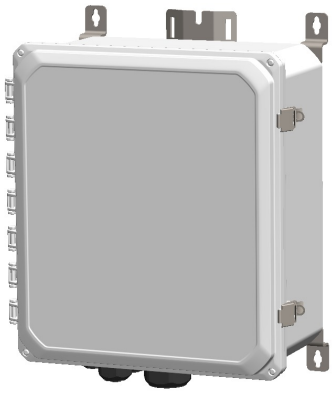
3 to 6 Radio Power with OVP Terminal
Installation Instructions

A BELDEN BRAND

Overview

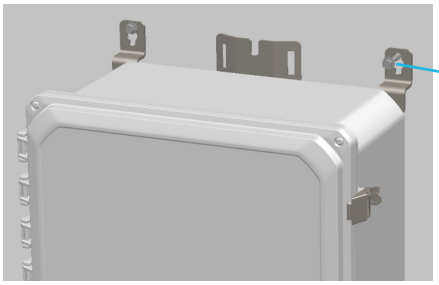
The PPC Power Terminal with Overvoltage Protection is designed to distribute power to outdoor wireless networks while providing equipment protection from lightning strikes. Configurations are available to support three, four, or six radios. Surge protection devices can be electronically status monitored and include a visual indicator window to easily detect a failure. In the case of a surge protection device failure, a module can easily be unplugged and replaced in the field.



PPC Part #	Description
TL100N03A0B00C02W0	TERMINAL, POWER WITH OVP, 3 RRU
TL100N04A0B00C02W0	TERMINAL, POWER WITH OVP, 4 RRU
TL100N06A0B00C02W0	TERMINAL, POWER WITH OVP, 6 RRU

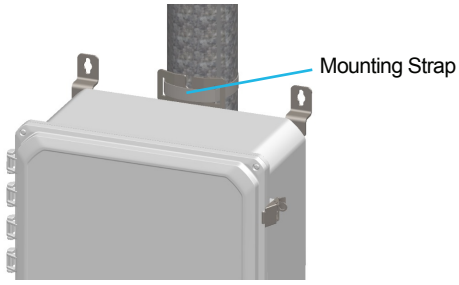
Enclosure Mounting

Wall Mount



1. Measure distance of enclosure 4 corner holes
2. Drill pilot holes
3. Loosely install top screw
4. Level enclosure horizontally and vertically
5. Tighten top screws securely
6. Install bottom screws at outer holes

Pole Mount with Straps

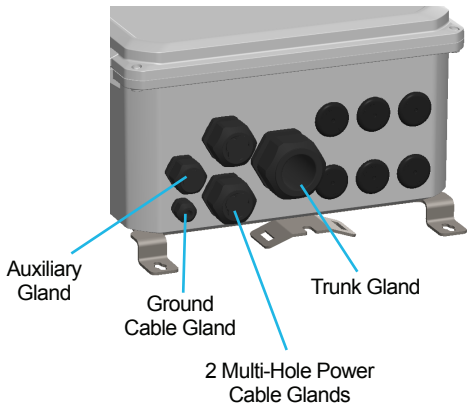


1. Loosely install top and bottom stainless-steel bands thru enclosure slots and around metal or wood pole
2. Tighten top band securely
3. Level enclosure horizontally and vertically
4. Tighten bottom band securely

Cable Gland Identification

Description	QTY	Cable Diameter Range	Sealing Nut Torque
Hybrid trunk gland	1	1.23 – 1.56 in [31.2 – 39.6 mm]	188 in-lbs [21.2 Nm]
Power cable gland	2	.38 in [10 mm] approx., 4 holes	100-110 in-lbs [11.3-12.4 Nm]
Ground cable gland	1	.105 - .315 in [2.7 – 8 mm]	33-38 in-lbs [3.7-4.3 Nm]
Auxiliary gland	1	.420 - .630 in [10.7 – 16 mm]	80-85 in-lbs [9.0-9.6 Nm]

Cable Glands on bottom of Terminal



These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

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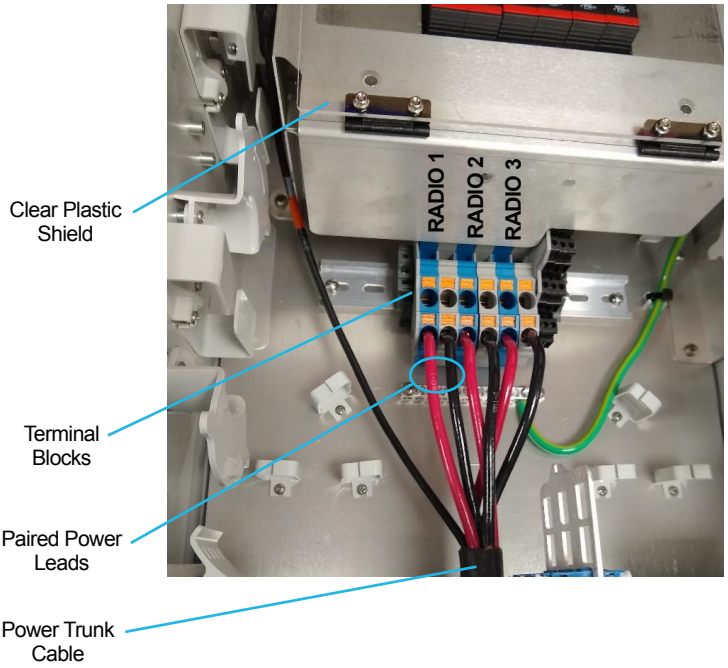
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Power Trunk Cable Installation

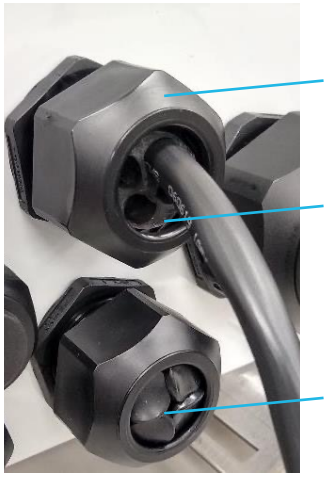
1. Ensure power to trunk cable is switched off prior to installation
2. Rotate clear plastic shield up
3. Feed trunk cable through the large cable gland
4. Power leads are paired with a color-coded marker
5. Cut power leads and strip insulation back .5" to .75" [13 to 20mm]
6. Push (+) and (-) paired conductors into adjacent blue and grey terminal blocks, using the lower connection ports as shown
7. Tighten external cable gland nut to 188 in-lbs [21.2 Nm]



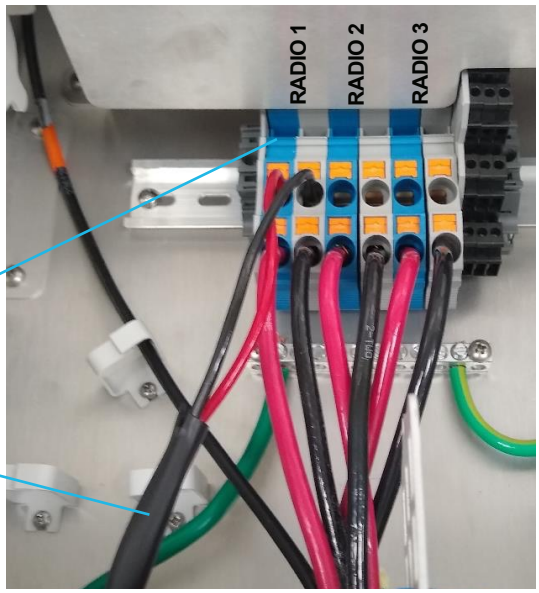


Power to Radio Cable Installation

1. Ensure power to trunk cable is switched off prior to installation
2. Loosen external cable gland nut and remove four plugs
3. Pass the power cables through the holes in the rubber gland
4. Cut conductors to length and strip insulation back .5" to .75" [13 to 20mm]
5. Push conductors into adjacent blue and grey terminal blocks, using the upper connection ports as shown
6. After installing all required power cables, place a plug into any empty hole remaining in both cable glands
7. Tighten external cable gland nuts to 100-110 in-lbs [11.3-12.4 Nm]



Power Cable Connections (one Power Cable shown)



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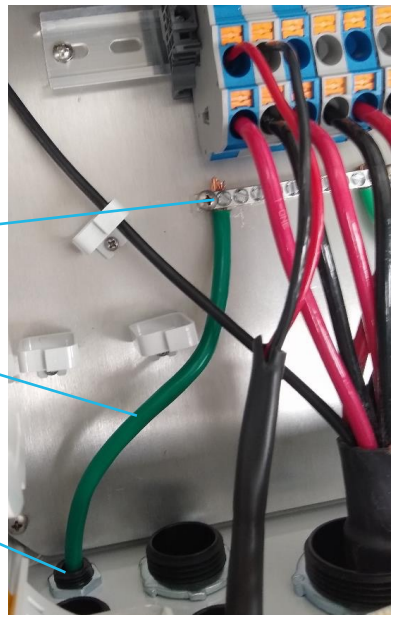
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Ground Cable Installation

1. Route #6AWG ground cable through the cable gland as shown
2. Strip insulation back and connect to one of the screw terminals on the ground connection bar
3. Tighten external cable gland nut to 33-38 in-lbs [3.7-4.3 Nm]



External Ground Cable Routing

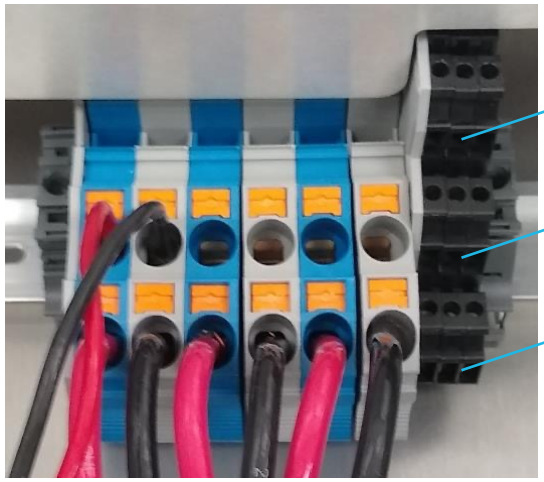


Remote Alarm Connections

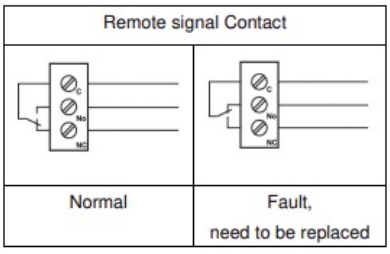
1. If remote alarms are to be used, use black terminal blocks as shown
   - Each SPD has its own discrete alarm circuit and terminal block
2. Remove plug and route the alarm cable through the auxiliary cable gland
3. Cut conductors to length and strip insulation back .35" [9mm]
4. Tighten external cable gland nut to 80-85 in-lbs [9.0-9.6 Nm]



Alarm Terminal Blocks



Remote Alarm Circuit At Surge Protection Device



C (RED) to terminal block bottom tier
NO (BLK) to terminal block middle tier
NC (WHT) to terminal block top tier

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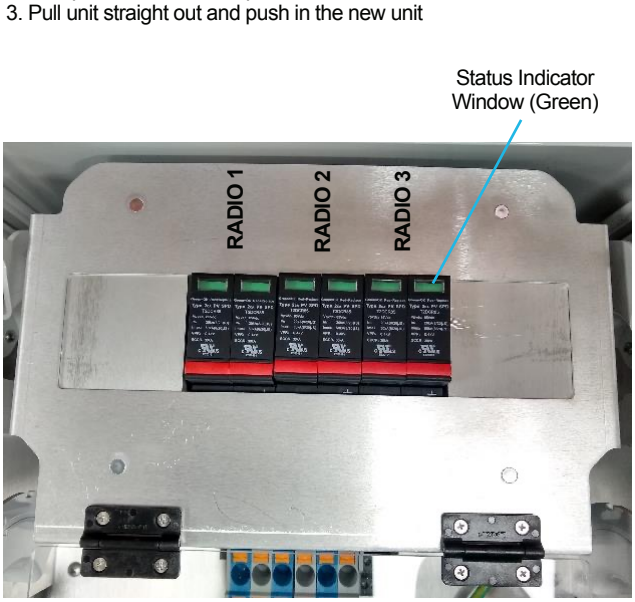
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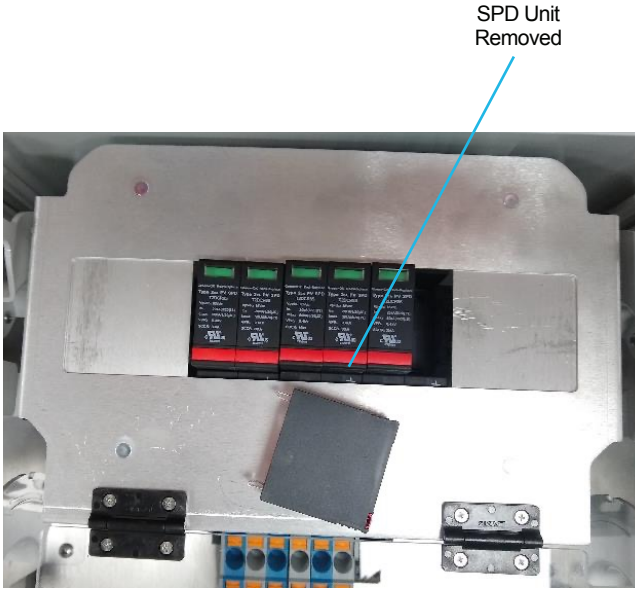
Installation Final Steps

1. Rotate clear plastic cover down
2. Check that all external cable gland nuts have been tightened, use a plug in any glands that have not been used

Surge Protection Device (SPD) Information

1. Each SPD unit has a status indicator window
    - Green denotes a normally functioning unit
    - Red denotes a non-functioning unit that needs replacement
2. To replace, ensure main power is switched off
3. Pull unit straight out and push in the new unit





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