

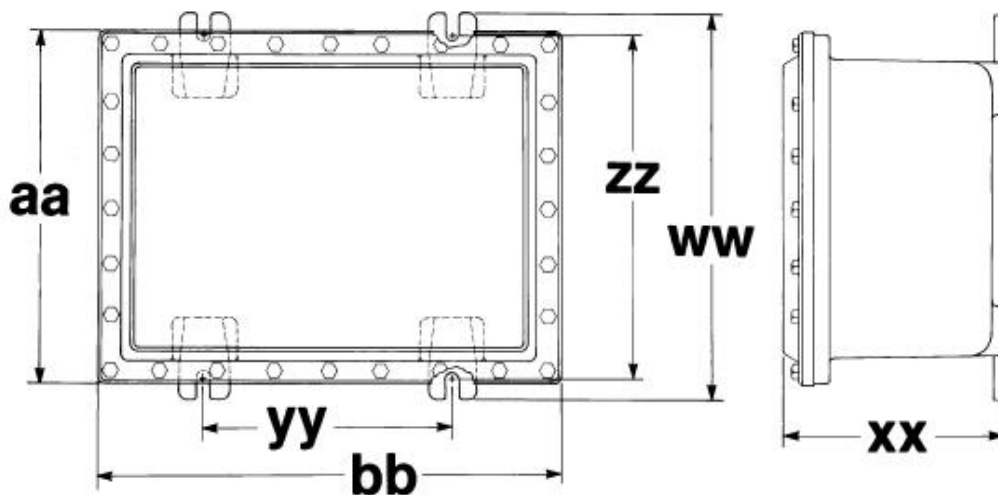


TerraWave Solutions® 18x12x8 Protective Enclosure for Cisco 1200 & 1500 Wireless Products

Installation & Maintenance Information

Installation

1. Select a mounting location that will provide suitable strength hand rigidity for supporting all contained wiring and control devices. Figure 1 shows the mounting dimensions for the four detachable mounting feet.



Model	Dimensions (Inches)								Net Weight with Cover (Pounds)
	Inside Depth*	aa	bb	Mounting Hole	ww	xx	yy	zz	
TWXP18128AN4S	6-13/16	17-5/16	23-5/16	9/16	16-3/8	10-9/16	11-1/2	15-1/8	110

*Body and Cover

Figure 1 and Enclosure Dimensions

2. Install detachable mounting feet.
 - Insert four wedge shaped mounting feet into dove-tail slots in enclosure body.
 - Tap each foot to securely tighten into slot.

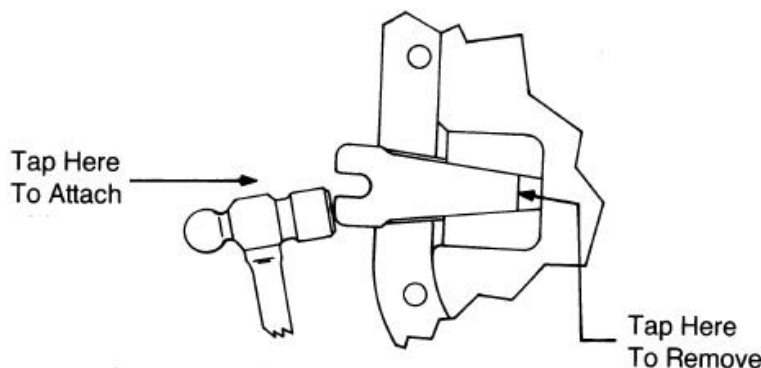


Figure 2—Mounting Feet



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Installation & Maintenance Information (continued)

- Securely fasten enclosure to the mounting location, then attach into conduit system. Install approved conduit sealing fittings when required by Section 501-5 and/or 502-5 of the National Electrical Code plus any other applicable standards.

CAUTION

- Hazardous location information specifying class and group listing of each device is marked on the nameplate of each enclosure. Class and group listing for any device penetrating the enclosure must be suitable for the classification of the location in which the enclosure is installed.
- All unused conduit openings must be plugged. Listed plug must engage a minimum of five full threads and be a minimum of 1/8inch thick.
- In Class I, Division 1, Group B locations, conduit sealing fittings **MUST** be installed in each attached conduit run (within eighteen inches of the enclosure) to comply with the latest edition of the National Electrical Code Section 501-5 and/or 502-5 plus any other applicable code.
- Conduit sealing fittings are required on all conduit entrances (within eighteen inches of the enclosure) for EJB361208, EJB361808, EJB361810 and EJB362408 enclosures when used in Class I, Div. 1, Group C hazardous areas. For other sealing requirements, consult the National Electrical Code®.

CAUTION

Do not use cover bolts as a means to lift the enclosure. Excessive force on the fully retracted cover bolts may damage the bolt/spring assembly.

- Loosen all cover bolts until each bolt is fully retracted into the cover by the stainless steel spring under the bolt head. Remove the nuts from two stud bolts, then lift off cover and carefully set it aside to prevent damage to the ground-joint and flange gasket.

NOTE: EJB junction boxes without cover hinges have two stud bolts located at diagonally opposite corners of the body to aid in positioning cover. Do not remove stud bolts. Covers may be handled more easily by installing two 5/8-11 triple lead eyebolts into the two threaded holes provided in the cover where provided. The eyebolts should only be threaded part way through the cover to prevent damage to the machined flange of the body.

EJB enclosures are furnished with captive triple lead bolts, that utilize a spring to aid and indicate full retraction of the bolts into the cover when opening and closing. Make sure all cover bolts are fully retracted into the cover before attempting to open or close the cover.

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Installation & Maintenance Information (continued)

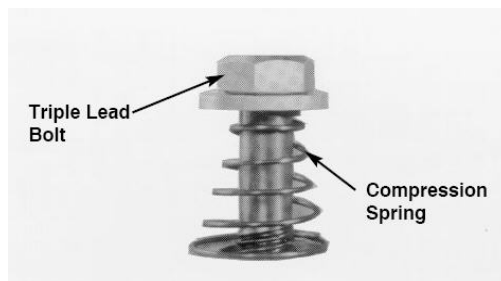


Figure 3

When bolts are disengaged from the body flange threads, the bolts will withdraw and be held in this position by the spring and washer under the bolt heads. (See Figure 3) After all bolts are fully disengaged, firmly grasp the bottom and right side of the cover and carefully swing cover aside to prevent damage to the ground joint surface. Avoid striking cover, or devices in cover, on neighboring enclosures or structures.

⚠ CAUTION

Hammers or prying tools must not be allowed to damage the flat ground-joint surfaces or cover gasket. Do not handle covers roughly, or place them on surfaces that might damage or scratch the flat ground-joint surfaces.

5. Pull wires into enclosure, making sure they are long enough to make the required connections. Make all electrical connections. Enclosures with suffix "ATEX" are provided with an external ground lug located at lower left of the body.
6. Test wiring for correctness with continuity checks and also for unwanted grounds with insulation resistance tester.

⚠ CAUTION

Clean both ground-joint surfaces of body and cover before closing. Dirt or foreign material must not accumulate on flat ground-joint surfaces. Surfaces must seat fully against each other to provide a proper explosion-proof seal.

7. To install cover, make sure cover and body ground joint surfaces are clean and not scratched. Orient cover to align with two stud bolts on body. Lift cover to approximate position, and line up bolt holes of cover with body. Avoid sliding cover ground-joint surface over ground-joint surface of body. Cover/body bolt holes must match up. Hand start the corner bolts. Fully tighten all cover bolts (torque to 40-45 ft. lbs.) and then reinstall the two 5/16 - 18 hinge bolts (torque to 8ft. lbs.) in the cover.
8. Pour sealing compound into sealing fittings (when required) in accordance with the instructions supplied with each of the approved fittings and sealing compound.

BREATHER AND DRAIN

Junction boxes installed with breather and/or drains must be protected during hose down operations. The junction box is watertight but the breather and drain are not.



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Installation & Maintenance Information (continued)

CAUTION

Check breather and/or drain or their carton label to be certain that they are suitable for the hazardous location (class and group) in which they are being installed.

MAINTENANCE

WARNING

Always disconnect primary power source before opening enclosure for inspection or service.

1. Frequent inspection should be made. A schedule for maintenance check should be determined by the environment and frequency of use. It is recommended that it should be at least once a year.
2. Perform visual, electrical and mechanical checks on all components on a regular basis.
 - Visually check for undue heating evidenced by discoloration of wires or other components, damaged or worn parts, or leakage evidenced by water or corrosion in the interior.
 - Electrically check to make sure that all connections are clean and tight and that contacts in the components make or break as required.
 - Mechanically check that all parts are properly assembled, and operating mechanisms move freely.
3. EJB gasketed junction boxes: do not attempt field replacement or repair of cover gasket. Instead, remove damaged gasket and continue to use cover without gasket. This will assure safety for use in Class I and Class II hazardous (classified) locations. However, the enclosure will **not be** watertight.

CAUTION

Clean both ground-joint surfaces of body and cover before closing. Dirt or foreign material must not accumulate on flat ground-joint surfaces. Surfaces must seat fully against each other to provide a proper explosion-proof seal.