

# WLR5/WLRD Wet Location Receptacle Covers

## Installation & Maintenance Information

### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

#### APPLICATION

These receptacle covers are for outlets exposed to weather, or in other wet locations as defined in the National Electrical Code, Article 100, which must be in an enclosure constructed to prevent moisture from entering with or without plug cap inserted. These receptacle covers are designed to exclude moisture when used with receptacles and Crouse-Hinds Company FS and FD series back boxes that are approved for use in such locations.

These boxes must be positioned so that final assembly of the receptacle cover is mounted in a hinge up position.

Grounded or locking plug caps meet the wet locations requirement set forth in the National Electrical Code, Article 410-57(b) for use when the cover is open.

This receptacle cover meets the wet locations requirements with the cover open or closed, regardless of what plug cap is likely to be used.

#### INSTALLATION

##### WARNING

Make certain power is OFF before starting installation.

#### A. ASSEMBLING WET LOCATION COVER AND RECEPTACLE

**NOTE:** Receptacle is to be fastened to back side of cover by use of two (2) special 6-32 x 3/16" flat head screws provided which are in receptacle mounting holes in back side of cover. Care must be used not to discard or lose these screws. Longer screws cannot be used since they will prevent proper attachment and positive grounding.

1. Remove two break-off ears on each end of receptacle strap to allow for positive seating on cover assembly. (See Figure 1.)

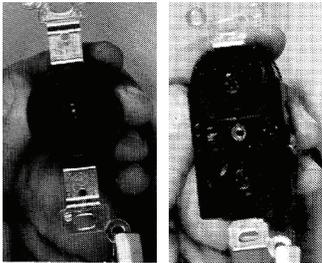


Figure 1

2. Position receptacle into gasket of cover assembly from the back side after removing special screws. (See Figure 2.)

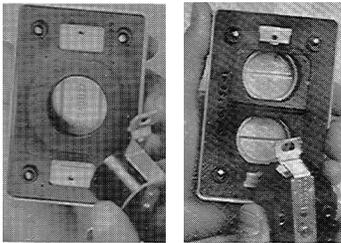


Figure 2

3. When receptacle is in place, with strap against back of cover at point of attachment and gasket is smoothly around receptacle, fasten receptacle firmly with the two special 6-32 x 3/16" screws provided tightening them to eight (8) inch-pounds of torque. (See Figure 3.)

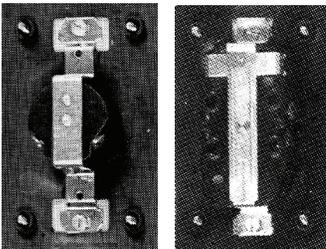


Figure 3

4. From front of cover assembly, using a finger in a wiping motion, push inside sealing lip of gasket around the outside of the receptacle so it penetrates the gasket evenly. (See Figure 4.)

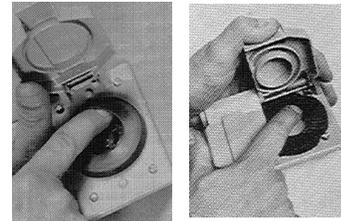


Figure 4

**NOTE:** Wet locations seal is formed when inside lip of gasket is flush with receptacle face.

5. Mount back box in desired position and pull in power source wiring allowing ends to extend out enough for connections to be properly made.
6. Attach power source wires to receptacle terminals in an approved manner, as: white lead to chrome, black to brass and green to the equipment ground screw, usually green.

**NOTE:** On some receptacles the grounding screw is located so back-wiring is prevented. In this case, carefully bend grounding screw flap on receptacle mounting strap only as far as necessary to permit access to grounding screw.

\*Refer to page 7P\*2 in Crouse-Hinds Catalog CM400 for total product listing.

7. Place receptacle cover on back box carefully to prevent damage to wiring and sealing gasket. (see Figure 5.)

**NOTE:** Covers must be mounted with hinge(s) up.

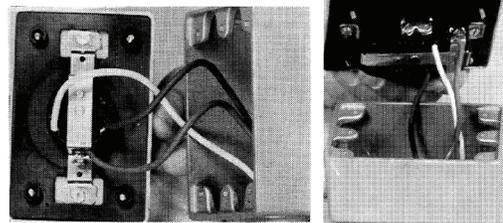


Figure 5

8. The screws in each corner of the cover are to be evenly and securely tightened to twelve (12) inch-pounds torque. This will ensure a wet locations seal and the proper grounding of equipment. (See Figure 6.)

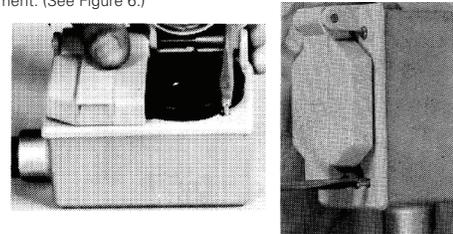


Figure 6

9. Receptacle cover assembly installation is now completed and power can be turned ON.

#### B. Optional Mounting- Receptacle Mounted to Back Box

##### CAUTION

Receptacle mounted to cover is the preferred method. If the optional method is used the position of the receptacle in relation to the cover gasket may, by a build up of tolerances, violate code requirements of NEC 41 0-56(c). Back box receptacle mounting can cause an improper projection of the receptacle's face beyond the cover body's sealing edge.

1. Remove break-off ears as in item A.1. and attach wiring as in A.6.
2. Install receptacle assembly to back box using two 6-32 x 7/16" screws provided with the receptacle. Center mounting strap under screws and tighten screws to eight (8) inch-pounds of torque.

**NOTE:** Centering mounting straps must be done so receptacle lines up and seals with the cover gasket.

3. Discard the two 6-32 x 3/16" screws from back of cover assembly so it will seat properly and attach the assembly to the back box as in item A.7. and A.8.

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