

Weather- Resistant (WR) Option for CDI Flowmeters

The weather-resistant option reduces the susceptibility of the meters to damage by water, both through the entry of water and through external corrosion. The modifications consist of the following:

- A silicone sealant is applied between various components to seal cracks through which water might enter.
- Silicone sealant is applied around the perimeter of the lens on the inside of the cover.
- A gasket is installed between the lower and upper portions of the electronic enclosure.
- An adhesive-backed disk is furnished to be applied over the opening where the cord from the wall-plug adaptor would plug in.
- Stainless-steel hardware is substituted for all ferrous hardware.
- Threaded plugs are furnished to close unused threaded openings in the enclosure.

When a meter is installed in a potentially damp location, it will normally be powered through a cable entering through a water-tight cable seal of the type that is furnished with the meter. If the meter will be powered by its wall-plug supply, the user must apply sealant (not included) where the cord plugs into the meter to prevent entry of water at that point.

It is strongly recommended that, when possible, CDI flowmeters be installed in protected, indoor locations to avoid effects of sun on the pipe and temperature extremes, both of which could compromise the accuracy of meter readings.