

## TECHNICAL NOTE # 465A

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### CORROSION RESISTANT PACKAGE (CRP)

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For applications of Southwest Microwave, Inc. microwave intrusion detection sensors in harsh corrosive environments, a corrosion resistant package (CRP) is offered as an option. The CRP is in accordance with MIL Spec A-8625D and P-15328. The description of the CRP process and hardware is as follows:

- Hardware anodized base coat (.001 inch) per MIL-A-8525 applied to each base plate.
- Primer coat (.002 inch) Epoxy-Polyamide Primer per MIL-P-23377E, Amend 5, Type 1 per FED-STD-595 applied to each base plate.
- Finish coat (.002 inch) Aliphatic Polyurethane coating per MIL-C-83286B (2) Type 1 per FED-STD-595 applied to each base plate.
- Base plates will have through-holes for radome attachment.
- Radomes will be attached with stainless steel #6 screws and nuts. The nut shall be isolated from the base plate finish with a nylon/non-metallic washer. Optional Latch Kits are also available.
- Alarm relays shall be sealed.
- All printed circuit boards shall be conformal coated – both sides.
- Conduit fitting shall be a non-corrosive heavy duty PVC plastic.

The mounting bracket that should be used with the CRP option is the Model MB65 mounting bracket. This is a heavy duty corrosive resistant position locking bracket of stainless steel and anodized aluminum.

Please contact the factory for pricing.

***Note: The Radome Latch Kit, 02A15483-A01, can not be installed on a CRP baseplate without first installing a Helicoil into the radome screw holes. The addition of the Radome Latch Kit will compromise the integrity of the CRP and possibly be a starting point for corrosion.***