ENVIRONMENTAL PACKAGING for MICROWAVE SENSORS

Southwest Microwave, Inc. microwave intrusion sensors have been in operation worldwide since 1972. Long-term data, collected in every conceivable climate have been used to continuously improve the environmental design of our sensors. For example:

1.0 Each microwave component and electronic circuit is designed and manufactured by Southwest Microwave to operate without degradation in temperatures from -40° to + 150°F (-40ºC to +65ºC). Each intrusion sensor is sample tested over the complete temperature range.

2.0 The sensor package consists of an ABS plastic radome, treated to resist ultraviolet radiation and an aluminum baseplate painted with epoxy enamel. Radome screws are stainless steel.

3.0 For high humidity or salt spray environments, Model MB65 mounting bracket is available. It is constructed of stainless steel and anodized aluminum. Additionally, a CRP (Corrosion Resistant Package) package is also available for enhanced environmental protection. See Technical Note 465 for more information on the CRP.

4.0 The package is sealed against rain, but an air vent has been provided to prevent “pumping” of humid air into the enclosure. Complies with NEMA 4 and IP65 ratings.

5.0 All circuit boards are conformal coated