

PRODUCT PROFILE # 547

HIGH REL MICROWAVE SENSORS

Southwest Microwave, Inc. offers a High Reliability version of its bi-static microwave links and mono-static transceivers that it manufactures. These include the Models 300B-33257, 310B-33259, 320SL-33255 microwave links and 380-33453, 385-33301 microwave transceivers. These units were developed for use in high security sites such as nuclear power plants, department of energy facilities and military sites.

These models have an extended burn-in cycle of 5 days at 125° F (52° C). They are also fully temperature tested from -40° to 150° F (-40° to 66° C). This extensive temperature testing minimizes any fallout from marginal or intermittent components or cold solder joints.

A heavy duty, position locking non-corrosive mounting bracket is also included with these models. It is made of anodized aluminum and stainless steel. Once the sensor has been mounted and aligned, four jack screws will lock the sensor in place and prevent it from being moved from incidental contact.

All High Rel sensors include conformal coated circuit boards for immunity to moisture and epoxy coated baseplates to resist corrosion.

The microwave links are also fitted with a RFI/EMI shielded radome. This radome encloses all the electronics and terminal strip wiring into a shielded enclosure. This prevents any outside radio frequency interference or electro-magnetic interference from entering the sensor's electronics thus minimizing any problems to the sensor.

All the testing documentation is recorded, retained, and on file at Southwest Microwave, Inc.

