

REC-02 / REC-02M Radome Entry Control Module

Switch controlled safety device designed to inhibit antenna motion

Orbital Systems Radome Entry Control Module is designed to inhibit antenna motion while accessing confined spaces inside radomes. Installed just inside the radome access hatch or tower floor access hatch and easily reached before entry serves to maximize the safety of personnel as they enter and work in the confines of a radome.

Features

A switch controlled safety device used to prevent antenna motion as personnel enter and work inside constricted radome spaces providing a safer working environment.

Operational Highlights

- The REC-02 is attached to a bracket and positioned just inside the radome access hatch or a tower floor access hatch
- The hatch need only be opened a few centimeters to reach the Off switch to inhibit antenna motion
- A warning label affixed to the hatch exterior draws attention to the switch just inside the hatch
- To enter the radome safely push the hatch open a few centimeters and press the switch into the Off position to stop all antenna motion
- The On position allows antenna motion and extreme caution should be used upon entry
- The switch is labeled On/Off and is illuminated for easy identification in darkness
- The switch has two status LED indicators
 - Blue LED indicates the antenna is enabled and ready to power up and motion is possible
 - Red LED indicates the positioner is disabled and safe for entry
 - Flashing Blue LED indicates the antenna is moving and to use caution

Optional REC-02M With Magnetic Switch Contact

Model REC-02M includes an auxiliary magnetic switch contact and is typically used in radome applications using tower floor hatch access

- Forces closure of the hatch door to help prevent accidental fall through an open floor hatch
- Used for collision prevention when an antenna in motion makes contact with an open floor hatch .



Applications:

- Serves to provide safe access to antenna systems inside confined spaces such as radomes or to prevent contact between the antenna when in motion and an access hatch

Configurations:

- Right hinged hatch access
- Left hinged hatch access
- Tower floor hatch access
- Collision prevention between antenna in motion and access hatch

Entry Control Module

- Serves to maximize the safety of personnel as they enter and work in the confined space of a radome
- Installed just inside the radome hatch access or tower floor hatch access
- Extending from the module is a cable that plugs into the lower main bulkhead of the antenna positioner
- To insure the data cable does not become a trip hazard, it is recommended a rubber cable cover strip be used, or holes be drilled into the radome deck allowing the cable to be run under the deck to the electrical cabinet on the positioner



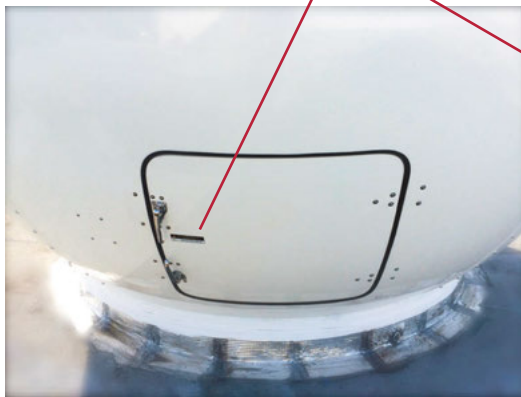
Radome Entry Control Module Label



Exterior Radome Warning Label

Exterior Radome Warning Label

- A warning label is applied to the exterior of the radome access hatch to remind personnel to use the entry control module to disable movement of the antenna



Switch

- The illuminated switch is positioned on the side of the control module and is placed just inside the radome access hatch or the tower floor hatch for easy access
- The switch is easily confirmed to be in the correct position based on the illumination color
 - Blue illumination indicates the antenna is *Enabled*
 - Red illumination indicates the antenna is *Disabled*
 - Flashing Blue Illumination indicates the antenna is *Moving* and to use *extreme caution*

Switch

