

Care and Maintenance — Section 3

Micro-Switch Removal & Installation

A Microswitch is used in the 90 Series/VXI Receivers to determine the presence (or absence) of an ITA engaged in the system. It is usually configured so that power to the interface is turned off when there is no ITA present. An integrated Microswitch is standard on the 25 and 50 Module Receivers and available as an option for the 3, 6 and 10 Module Receivers.

The 90 Series and VXI Interface Systems have been designed to be maintenance free; however, in the unlikely event that the Micro-switch needs to be replaced, please use the following VPC part numbers to order a replacement Microswitch: P/N 310 113 200 for 25 and 50 module Receivers; and P/N 310 113 180 for 3, 6 and 10 module Receivers. For removal/installation of the Microswitch, please read the following steps.



CAUTION: As with all electrical systems - disconnect all electrical supplies to the system prior to removal of Microswitch.

For 25 and 50 Module Receivers:

1. Disengage the ITA from the Receiver (remove the ITA completely).
2. With the Receiver Handle still in the open position (Handle is down), unscrew the two plate retaining screws (using a Phillips screwdriver) that are located immediately below the top right engaging mechanism/slot - this will expose the Microswitch.
3. Remove the necessary Modules so that the Microswitch retaining screws may be accessed.
4. Unscrew the retaining screws (using a Phillips screwdriver), removing each as they are loosened (caution should be used so that the screw(s) do not fall into the system).
5. Carefully remove the Microswitch for continuity testing.

For Microswitch installation, repeat steps 1 - 5 in reverse order.

For 3, 6 and 10 Module Receivers:

1. There are four slots machined into the receiver beside the two engagement slides that accept the ITA rollers. Locate the large slot along the top of the right engagement slide (Figure 1).
2. Place the Microswitch in the slot, feeding the wires through the hole provided (Figure 1).
3. Attach the Microswitch using the two screws provided. The mounting holes are located in the side of the receiver. One can be accessed with the handle in the open position, and the other with the handle in the closed position.
4. Wire the Microswitch as desired.

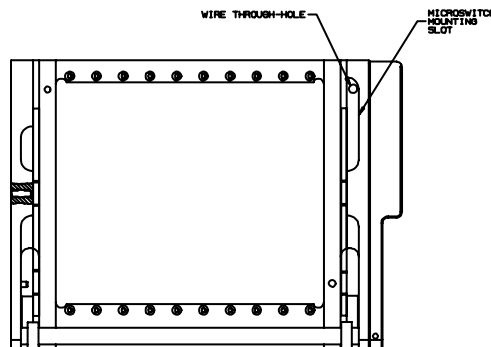


Figure 1. 10 Module Receiver