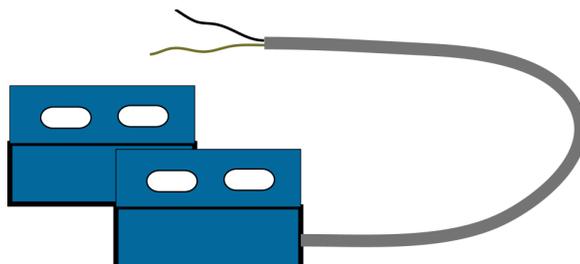




## Room Entry Sensor

### Instructions For Installing The Room Entry Sensor

The Room Entry Sensor consists of a magnetically activated Proximity Switch and a Magnetic Operator. The Proximity Switch has a lead that is wired to the Room Alert ID Box using sensor cable. The switch is of the normally 'closed' type and there is no polarity associated with the sensor cables.



The Magnetic Operator (i.e. the piece without wires) is attached to the door, cabinet or window that you wish to monitor using two screws. Locate it at a point on the edge so that the Proximity Switch (i.e. the piece with wires) can be fixed close to it (face to face) when the door is closed. The Proximity Switch is then mounted to the door frame in a location where it can be butted up very close (i.e. although not touching) to the Magnetic Operator when the door is closed. Be sure there is room for the door to open and close without disruption. This often means a location at the top of a door where it will be less visible and less at risk. You will want to mount this inside of a secured room.

When the door is closed, the two components should be almost touching. In this position the Proximity Switch is activated which means that the normal state will be 'closed'. When the door is opened, the two components separate and the switch opens, sending a signal to the Room Alert ID Box which will generate an alarm condition or status. Before connecting the Room Entry Sensor to the Room Alert ID Box, you may want to check that the switch is opening and closing properly by using a multi-meter or continuity tester.

Sensor cable can be any low voltage cable such as bell wire, speaker cable, data cable or telephone cable. Minimum voltage insulation 50v, minimum current carrying capacity 1A. Maximum recommended length is approximately 100' although shorter lengths will yield more reliable performance and distances up to 900' are possible. Test your setup to ensure proper operation.

#### IMPORTANT SAFETY NOTICE

The Screw Connectors On The Sensor ID Boxes Are Volt-Free Contacts Only. Do Not Connect These Terminals To Any Live Circuit. A Qualified Electrician Should Be Consulted To Test Any Wires You Connect To The Room Alert ID Box For The Presence Of Electrical Voltages And If Any Are Detected, They Must Not Be Wired To The ID Box. The ID Box May Become Dangerous If You Connect It To A Live Circuit. Never Connect Main Power To Any Of The Room Alert Sensors Unless Specifically Instructed To Do So Using The AVTECH Software 5V Power Adapter. If Required, An AVTECH Software 5V Power Adapter Will Be Included With That Sensor. DO NOT Use Switch Sensors In 'Explosive' Environments Unless Approved For Those Environments.