Hello, People.

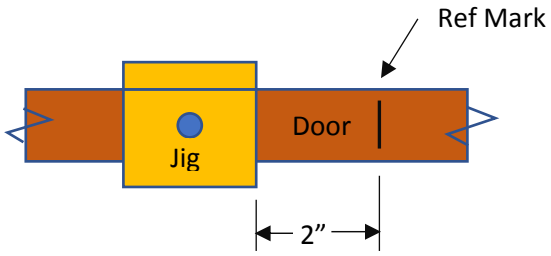
DRILLING OFFSETS FOR A 5 HOLE CONTACT SENSOR SLOT

First, oil or grease the sides of the guide hole in the drilling jig. This will help keep the guide hole from getting enlarged by repetitive use. The thicker the oil the better. The drill Ø will be 13/32".

Then, mark a point on the top or side of the door that will be the sensor slot's location. C-clamp the drilling jig over the mark so its guide hole aligns with it. Before drilling the first hole in the door for the sensor slot draw a fine reference line 2" from the edge of the jig (See figure below). Drill the first hole (Hole 0) in the door 1-5/16" deep. The remaining six holes will also be 1-5/16" deep.

For each remaining slot hole (labeled 1 thru 6), the drill jig will be positioned and clamped so its edge will be the specified distance from the reference mark shown below:

Hole 1	2-12/32"
Hole 2	1-20/32"
Hole 3	2-6/32"
Hole 4	1-26/32"



With jig slide running drill back and forth in slot.

Each hole is 1-5/16" deep. Wrap some tape around the drill bit to indicate the hole depth.

For those people that prefer using a millimeter's layout instead of the inch and 32nd of an inch listed above. I find that positioning to a millimeter is easier the than the 32nd because it is among the quarters, eights and sixteenths inch marks and my eye sight is not what it once was.

To begin, start with a 50mm reference line from the edge of the clamped jig instead of 2". Position the jig from the 50mm reference line as listed below:

Hole 1	60mm
Hole 2	40mm
Hole 3	55mm
Hole 4	45mm

Remove C-clamp and, with drill running and engaged in the slot ,slide the jig back and forth in slot.

Each hole is 1-5/16" deep. Wrap some tape around the drill bit to indicate the hole depth.

If one of the holes got drilled with an incorrect edge distance, the sensor sending unit may not fit freely. To correct, put the jig back in place over and of the slot, insert the drill, turn on the drill, and while it is running slide the jig back and forth. This is turning the drill into a router. The sending unit will fit after doing this.

Oiling or greasing the hole keeps it from degrading from multiple uses.