

## S241M Door Contact Installation

The S241M is a normally open reed magnet switch. Electrically, the contacts are closed when the reed switch is in close proximity to a suitable magnet. The drawing below illustrates the recommended mounting method for the switch in a hotel guestroom environment. The location of the contact was selected so that the switch will detect a door that is resting against the frame but is not latched. Placing the S241M closer to the hinge of the door will provide a "door closed" indication with increasingly open angle.

Note that the S241M has a "lip" that protrudes below the frame of the door. The spacing between the door and the frame must be able to accommodate this lip (which is about 0.060" thick).

The switch and the mating magnet may also be installed horizontally near the top, as show in the drawing as option B.

For installation in a wooden door/frame, the depth of the hole in the frame should be 2 inches and the depth of the hole in the door should be 1 inch.

