

ABSTRACT**CAPACITIVE MOTION SENSOR SWITCH FOR DETECTING ENTRY/EXIT
REQUESTS ON AN AUTOMATIC DOOR PANEL**

A motion sensor switch is disclosed for detecting entry/exit request on an automatic door panel which uses capacitive sensing for servicing the entry/exit requests. The motion sensor switch is mounted on one side of the door panel and may be configured to detect entry/exit requests from either side of the door. The door may be glass or similar, transparent or opaque. Upon detection of an entry/exit request to open the door, the sensor sends via wired or wireless transmission to the door operating control mechanisms for activation of the door. Detection is by comparison of the electric field projected from the electrode through both the door and housing of the motion sensor switch, and false detection is reduced from the arrangement of the electrode.

FIG. 1