ENGLISH

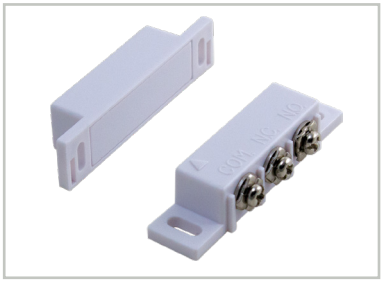
DOOR POSITION SWITCHES

Magnetic, contact switches

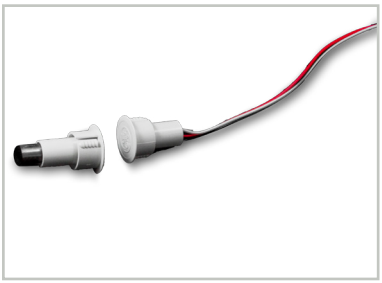
(US version)

DESCRIPTION

DPS 1277



DPS 1084



DPS 1076

DPS 1075

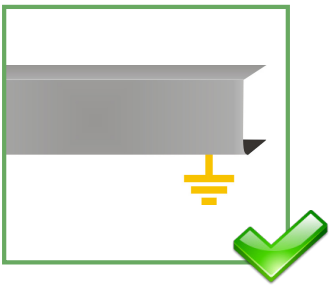
TECHNICAL SPECIFICATIONS

	1277	1075	1076	1084
Voltage Max.:	30 VAC/VDC	175 VDC	30 VAC/VDC	30 VAC/VDC
Current Max.:	0.25 A	0.25 A	0.25 A	0.25 A
Power Max.:	3.0 W	5.0 W	3.0 W	3.0 W
Electrical Configuration:	SPDT	SPDT	SPDT	SPDT
Wiring (12" 22AWG):	NO: green NC: red COM: white	NO: green NC: red COM: white	NO: green NC: red COM: white	Open (red) or Closed (green)
Gap Distance Max.:	0.50" (13mm)	0.5"	0.75" (up to) / 2.00"	2.00"
Reed Form:	N/A	C	N/A	N/A
Initial Contact Resistance Max.:	N/A	0.140 Ω	N/A	N/A

Specifications are subject to change without prior notice.
All values measured in specific conditions.

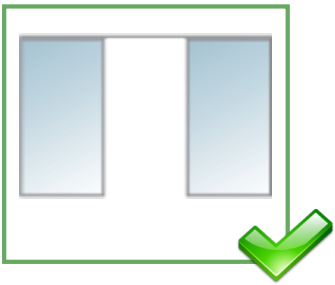
PRECAUTIONS

- ❑ Shut off all power going to header before attempting any wiring procedures.
- ❑ Maintain a clean and safe environment when working in public areas.
- ❑ Constantly be aware of pedestrian traffic around the area.
- ❑ Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- ❑ Always check placement of all wiring before powering up to ensure that moving door parts will not catch any wires and cause damage to equipment.
- ❑ Ensure compliance with all applicable safety standards (i.e. ANSI A156.10/19) upon completion of installation.
- ❑ DO NOT attempt any internal repair of the components. All repairs and/or component replacements must be performed by BEA, Inc. Unauthorized disassembly or repair:
    1. May jeopardize personal safety and may expose one to the risk of electrical shock.
    2. May adversely affect the safe and reliable performance of the product resulting in a voided warranty.

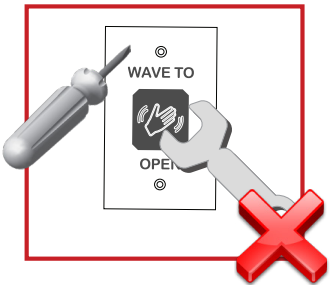


The door control system and the header cover profile must be correctly grounded.

Only trained and qualified personnel are recommended to install and set up the sensor.



Always test the proper operation of the installation before leaving the premises.

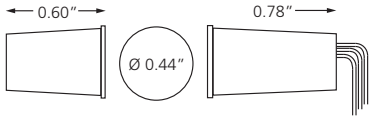


The warranty is invalid if unauthorized repairs are made or attempted by unauthorized personnel.

INSTALLATION

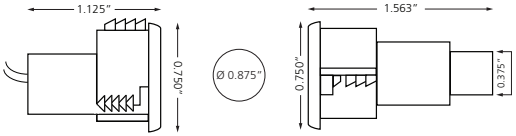
DPS 1075

1. Drill a hole ⅜" in diameter for the contact.
2. Drill a hole ⅜" in diameter for the switch. *See dimensions, right.*
3. Press the magnet into the door.
4. Press the switch into the frame.
5. Connect the NO (or NC) and COM from the contact to the applicable circuit.



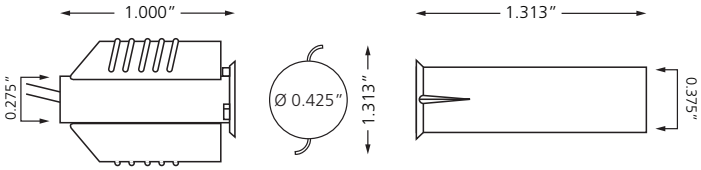
DPS 1076

1. Drill a hole ¾" in diameter and 1 ⅛" deep for the contact.
2. Drill a hole ¾" in diameter and 1 ⅛" deep for the magnet. *See dimensions below.*
3. Press the magnet into the door and then push the contact into the door frame.
4. Connect the NO (or NC) and COM from the contact to the applicable circuit.



DPS 1277

1. Drill a hole ⅜" in diameter and 1" deep for the contact.
2. Drill a hole ⅜" in diameter and 1 ⅜" deep for the magnet. *"Wings" on contact allow for expansion if the hole is slightly oversized. See dimensions below.*
3. Press the magnet into the door and then push the contact into the door frame.
4. Connect the NO (or NC) and COM from the contact to the applicable circuit.



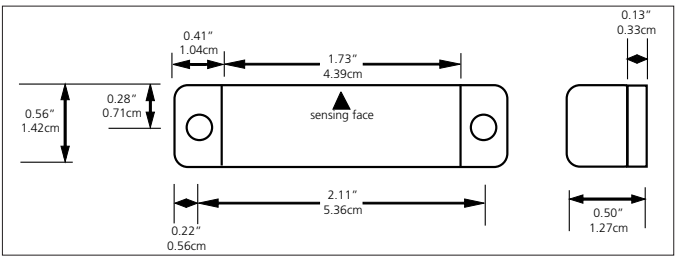
NOTE: Wings compress to Ø 0.375".

INSTALLATION (cont.)

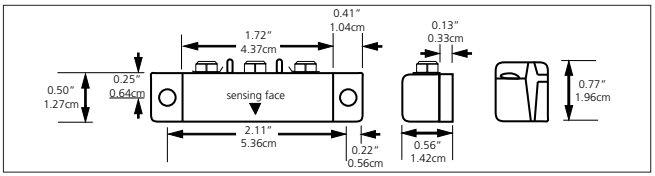
DPS 1084

1. Determine mounting location on door frame.
2. Mark and drill two holes for mounting the switch.
3. Mount the switch to the frame with the screws.
4. Align the magnet on the door with the switch.
5. Mark and drill two holes for mounting the magnet.
6. Mount the magnet with the screws.
7. Wire the switch as needed for the application.

ACTUATOR



SWITCH



BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor system installation is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107).

Verify that all appropriate industry signage and warning labels are in place.

AAADM ANSI DASMA DHI IDA

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