



1085 SERIES MAGNETIC CONTACTS

Surface Mount with Wire Leads

Model numbers:

1085, 1085W, 1086, 1086W, 1087, 1087W, 1087H, 1087D



- Sealed switch assembly
- Wide gap distance allows for fast set-up, easy installation
- Several models available including SPDT and high security
- Mounting screws included

The Sentrol 1085 Series surface mount magnetic contacts are designed for use in installations where a small, sealed unit is required. The reed switch is totally encapsulated in Sentrol's exclusive polyurethane potting compound preventing moisture from entering the switch and causing false alarms. The 5/8" standard gap distance allows for fast, easy installation and prevents false alarms from loose fitting doors. Recessed mounting holes make for clean-looking installations. Several models are available including Wide Gap, SPDT, and high security.

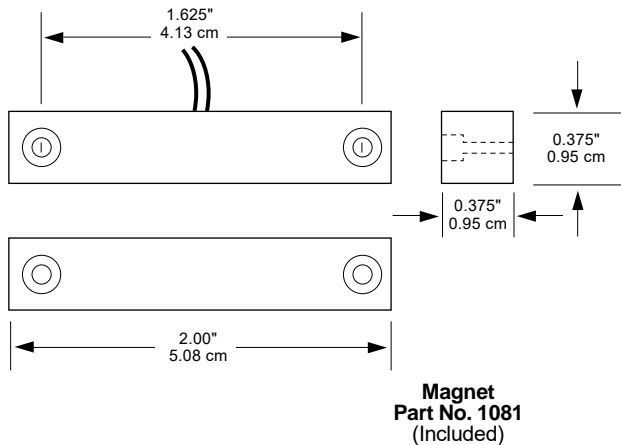
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1085 Series Surface Mount Magnetic Contact

Architects and Engineering Specifications

Switch and magnet shall be a nominal 2.00" (5.08 cm)L x 0.375" (0.95 cm)W x 0.375" (0.95 cm)D and have mounting holes on 1.625" (4.13 cm) centers. Color shall be specified as white, grey, or mahogany brown. Switch and magnet shall be specified as Sentrol part number 1085 (or other Sentrol part number, depending on electrical gap requirements).

1085 Series



Lead Colors

Black: Common
White: Closed Loop
Red: Open Loop

Installation Instructions

1085, 1086, 1087, 1085W, 1086W, 1087W, 1087D

Select desired mounting positions for switch and magnet. For wide gap switches (1085W, 1086W, 1087W) align labels on switch and magnet so labels read in same direction (switches are polarity sensitive). Attach with screws provided.

1087-H

Mount switch in desired location. Attach ohmmeter to "closed loop" and "common" leads. Meter should read INFINITY with magnet away from switch. Align labels on magnet and switch so labels read in same direction (switch is polarity sensitive). Bring magnet toward switch until meter reads 0 ohms. Mark this point and continue bringing magnet toward switch until meter again reads INFINITY. Mark this point, and position the magnet between these two marks. With magnet positioned correctly, switch shall have balanced operation and will be more difficult to defeat if an external magnet is used in such an attempt.

Form A (1085, 1085W)

Voltage: 100 V AC/DC Max.
Current: 0.5 A Max.
Power: 7.5 W Max.

Form B (1086, 1086W)

Voltage: 30 V AC/DC Max.
Current: 0.25 A Max.
Power: 3.0 W Max.

Form C (1087, 1087W, 1087H)

Voltage: 30 V AC/DC Max.
Current: 0.25 A Max.
Power: 3.0 W Max.

Ordering Information

Model Number***	Loop Type	Electrical Configuration	Gap Distance	Lead Type* (Make)**	Listing
1085	Closed	N.O.	Up to $\frac{5}{8}$ "	12" #22 wire	UL/ULC
1085W	Closed	N.O.	Up to $1\frac{1}{2}$ "	12" #22 wire	UL/ULC
1086	Open	N.C.	Up to $\frac{5}{8}$ "	12" #22 wire	UL
1086W	Open	N.C.	Up to $1\frac{1}{2}$ "	12" #22 wire	UL
1087	Open or Closed	SPDT	Up to $\frac{5}{8}$ "	12" #22 wire	UL/ULC
1087W	Open or Closed	SPDT	Up to $1\frac{1}{2}$ "	12" #22 wire	UL/ULC
1087H	Open or Closed	SPDT	$\frac{3}{8}$ " min., $1\frac{1}{4}$ " max.	12" #22 wire	UL
1087D	Open or Closed	DPDT	Up to $\frac{5}{8}$ "	12" #22 wire	UL

* Other lead types available

** Gap distances are nominal make distance $\pm 20\%$.

*** Gap specifications are for switch to make. Break distance is approximately 1.1 to 1.5 times make.

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