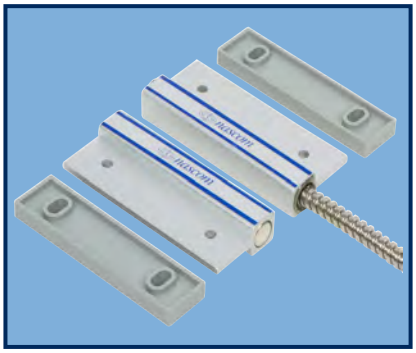
N505AU

MAN DOOR FLIP SWITCH WITH UNIVERSAL MAGNET



DESCRIPTION

Nascom's award winning N505AU FLIP SWITCH™ is perfect for man doors. The unique flip option allows the switch to be mounted with the cable in either direction, without loss of gap.

The FLIP SWITCH™ combines the installers' choice of contact configuration with an N35 NdFeB magnet for maximum gap performance.

NO DEAD SPOT™ technology, in the N505AU closed loop versions, prevent false alarms caused by door misalignment.

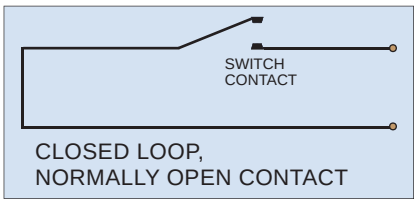
FEATURES

- **NO DEAD SPOT**™ TECHNOLOGY
- EXTRA WIDE GAP - N35 NdFeB RARE EARTH MAGNET
- 24" ARMORED CABLE LEAD PROTECTION
- FAST AND EASY INSTALLATION
- UNIVERSAL MOUNT
- 36" 22AWG WIRE LEADS
- EXTRUDED ANODIZED (TYPE II) ALUMINUM
- LISTED TO UL634 STANDARD

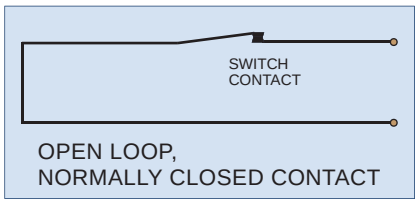
ORDERING INFORMATION

PART NUMBER	COLOR	OPERATE GAP (in INCHES)	CONTACT RATING (Max DC/Peak AC Resistive)				STATIC CONTACT RESISTANCE (50mV, 100mA)
			SWITCHING		CARRY		
			V	I	V	I	
CLOSED LOOP, NORMALLY OPEN, 1FA, SWITCH/MAGNET SET:							
N505AU/ST	SILVER	1.75 to 2.75	200 VDC	0.5 Amps	10vA	1.5 Amps	150 mOhms
DUAL CLOSED LOOP, NORMALLY OPEN, 1FA, SWITCH/MAGNET SET:							
N505AU/ST2CR	SILVER	1.75 to 2.75	200 VDC	0.5 Amps	10vA	0.5 Amps	150 mOhms
OPEN LOOP, NORMALLY CLOSED, 1FB, SWITCH/MAGNET SET:							
N505AU/STFB	SILVER	1.50 to 2.50	30 VDC	0.2 Amps	3vA	0.5 Amps	100 mOhms
SINGLE POLE DOUBLE THROW, SWITCH/MAGNET SET:							
N505AU/STSD	SILVER	1.50 to 2.50	30 VDC	0.2 Amps	3vA	0.5 Amps	100 mOhms
DOUBLE POLE DOUBLE THROW, SWITCH/MAGNET SET:							
N505AU/STDD	SILVER	1.50 to 2.50	30 VDC	0.2 Amps	3vA	0.5 Amps	100 mOhms
HIGH SECURITY, NORMALLY OPEN, 1FA, SWITCH/MAGNET SET:							
N505AU/STHS	SILVER	0.1875 to 0.50	300 VDC	0.25 Amps	10vA	0.25 Amps	150 mOhms initial

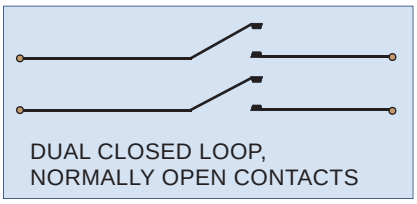
WIRING SCHEMATIC



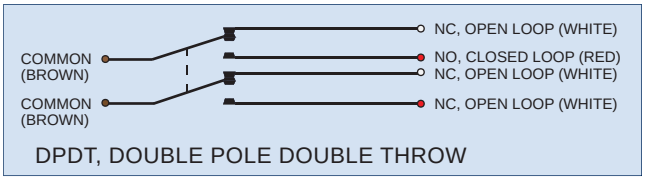
CLOSED LOOP,
NORMALLY OPEN CONTACT



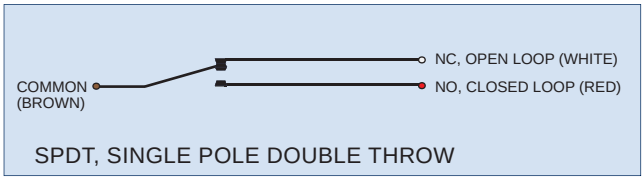
OPEN LOOP,
NORMALLY CLOSED CONTACT



DUAL CLOSED LOOP,
NORMALLY OPEN CONTACTS

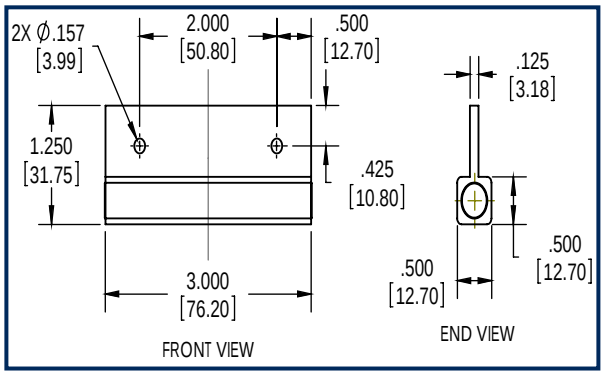


DPDT, DOUBLE POLE DOUBLE THROW

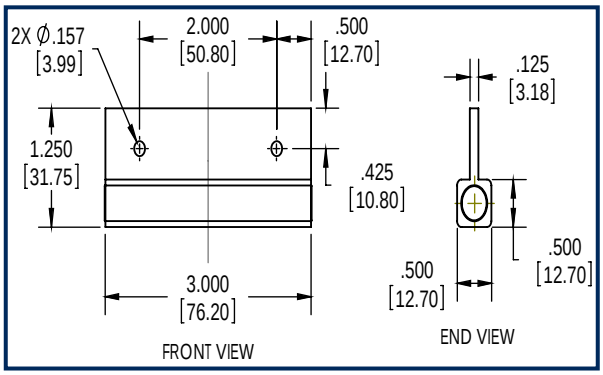


SPDT, SINGLE POLE DOUBLE THROW

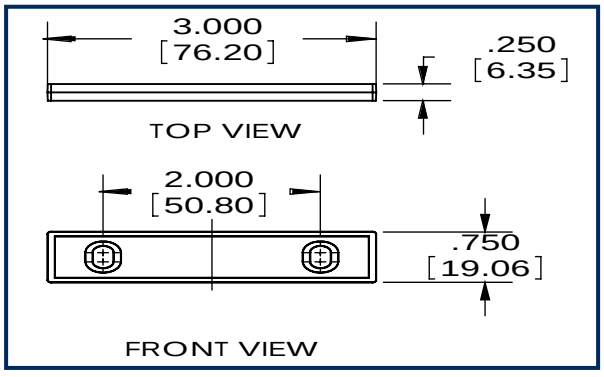
DIMENSIONS - IN [mm]



SWITCH



MAGNET



SPACER

INSTALLATION INSTRUCTIONS

NOTE: For N505AU/STHS - red dots on switch and magnet must be aligned for correct operation.

- Position the switch on the door frame and the magnet on the door in desired location.
- Place one of the enclosed spacers under the switch and one spacer under the magnet and align the switch and magnet housings as close as possible on the door with ¼" gap between the housings.
- Mark the mounting hole locations and drill mounting holes using a drill bit adequately sized for a #6 self-tapping screw.
- Place the spacer under the switch and attach to the door frame using two #6 Self-Tapping screws.
- Place the spacer under the Magnet and attach to the door using two #6 Self-Tapping screws.
- Connect an ohm meter to the switch leads and open and close the door to test switch for correct operation.
- Connect the switch leads to the alarm system.

PART NUMBER SYSTEM

N505AU / XX XXX XXXX X XX XXXX XXXX

PRODUCT TYPE (1 or 2 digits):

- ST = SWITCH/MAGNET SET
- SW = SWITCH ONLY
- M = MAGNET ONLY

CIRCUIT (0, 2 or 3 digits):

- Blank = CLOSED LOOP
- 2CR = DUAL CLOSED LOOP
- FB = OPEN LOOP
- SD = SPDT
- DD = DPDT
- HS = HIGH SECURITY

LEAD LENGTH (zero, 3 or 4 digits):

- Blank - 24 Inches
- All other lengths specified in Inches with 3 digits (e.g. 036 = 36 Inches)

* lead length is armored cable length- wire length is 12 inches greater than armored cable length

WIRE TYPE (0 or 1 digit):

- Blank = UL1061 | 22AWG | 7/30
- J = 2-conductor PVC Jacketed NEC Type CL2 and CM

END OF LINE RESISTOR (zero to 4 digits):

- Blank = Resistor in series with the switch
- P = Resistor in parallel with the switch
- SP = Resistor 1 in series to the switch; resistor 2 in parallel to the switch

BUILT-IN END OF LINE RESISTOR VALUE (zero to 4 digits):

- Blank = No built-in end of line resistor
- All other resistor values are specified (e.g. 1K = 1,000 Ω)

LEAD WIRE COLOR (zero to 2 digits):

- Blank = Switch Color except:
  - » resistor contacts standard is red wire
  - » all 2 conductor jacketed wire is grey
- BL = Blue leads
- OL = Orange leads