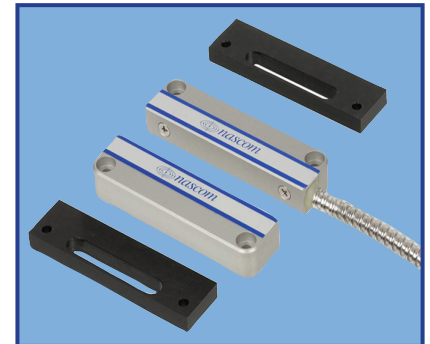


DESCRIPTION

Nascom's High Security UL Level 2 BMS, patent pending design utilizes multiple magnetic fields; providing the most advanced magnetic high security switch in the world. Applications include government facilities, bank safes and vaults.



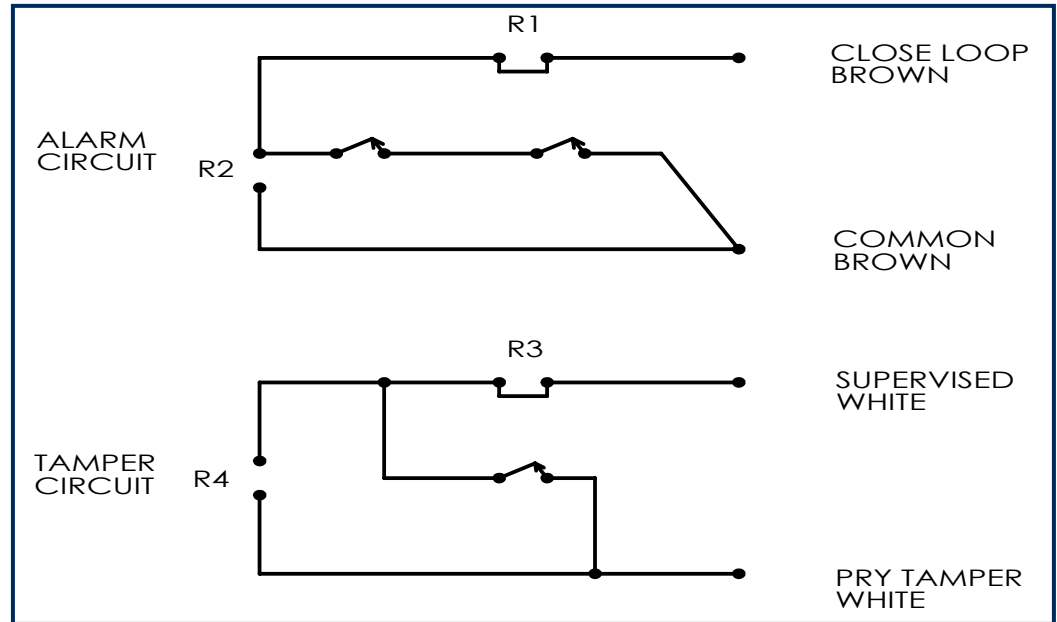
FEATURES

- SMALL FOOTPRINT
- DOUBLE RESISTANT TAMPER
- UNIVERSAL MOUNT - LEFT OR RIGHT
- 24" ARMORED CABLE (STANDARD)
- ANODIZED ALUMINUM SWITCH AND MAGNET HOUSING
- EPOXY ENCAPSULATED HERMETICALLY SEALED CONTACTS
- LISTED TO UL634 STANDARD
- SUITABLE FOR INDOOR OR OUTDOOR USE

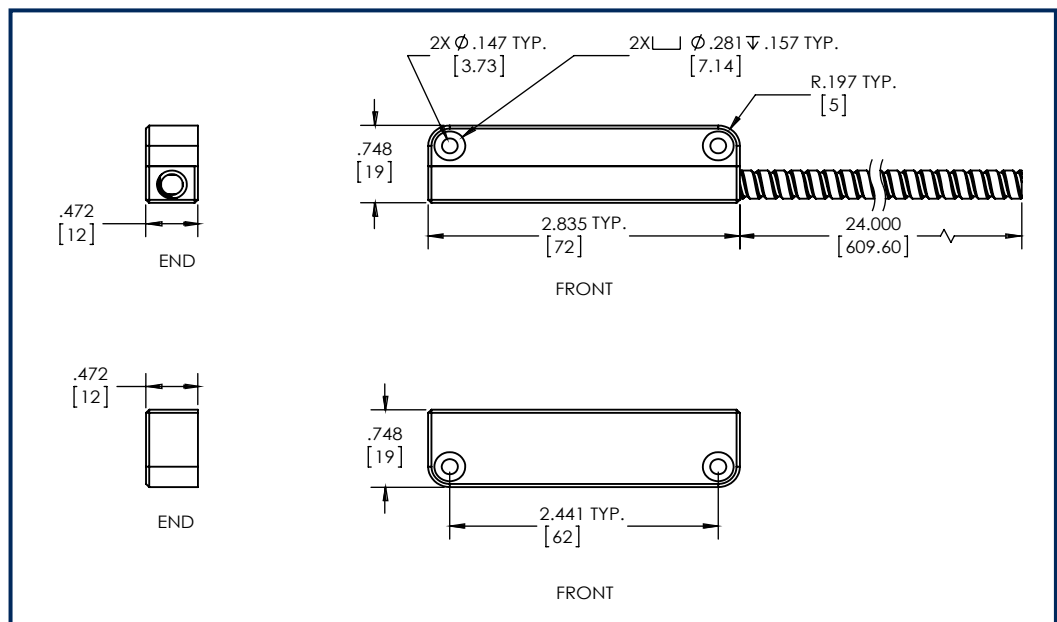
SPECIFICATIONS

| PARAMETERS | CONDITION | MIN | TYP | MAX | UNITS |
|---|-------------------------------------|----------|----------|-------|------------|
| CONTACT RATINGS — ALARM CIRCUIT | | | | | |
| Operate Gap | | 0.000 | | 0.125 | inches |
| Release Gap | | 0.125 | | 0.150 | Inches |
| Side-to-side offset | | | | 0.125 | Inches |
| Front-to-back offset Operate | | | | 0.625 | Inches |
| Front-to-back offset Release | | | | 0.750 | Inches |
| Switching Voltage | Max DC/Peak AC Resistive | | | 30 | VDC |
| Switching Current | Max DC/Peak AC Resistive | | | 0.020 | Amps |
| Carry Current | Max DC/Peak AC Resistive | | | 0.020 | Amps |
| Contact Rating | Max DC/Peak AC Resistive | | | 0.600 | VA |
| Life Expectancy | 1V, 10mA Signal Level | | 1.00E+06 | | Ops |
| Static Contact Resistance | 50mV, 10mA | | | 400 | mOhms |
| Contact Material | | | Au | | |
| CONTACT RATINGS — TAMPER CIRCUIT | | | | | |
| Operate Gap | | 0.000 | | 0.125 | Inches |
| Release Gap | With spaces under switch and magnet | | | 0.093 | Inches |
| Switching Voltage | Max DC/Peak AC Resistive | | | 30 | VDC |
| Switching Current | Max DC/Peak AC Resistive | | | 0.020 | Amps |
| Carry Current | Max DC/Peak AC Resistive | | | 0.020 | Amps |
| Contact Rating | Max DC/Peak AC Resistive | | | 0.600 | VA |
| Life Expectancy | 1V, 10mA Signal Level | | 1.00E+06 | | Ops |
| Static Contact Resistance | 50mV, 10mA | | | 400 | mOhms |
| Contact Material | | | Au | | |
| CIRCUIT INFORMATION | | | | | |
| Alarm Circuit | Closed Loop / Normally Open | | | | |
| Tamper Circuit | Closed Loop / Normally Open | | | | |
| SWITCH SPECIFICATIONS | | | | | |
| Insulation Resistance | 100V, 25°C, 40% RH | 1.00E+09 | | | Ohms |
| Capacitance | Across Open Contacts | 250 | | | VDC/PeakAC |
| Dielectric Strength | Between Contacts | | | | |
| ENVIRONMENTAL RATINGS | | | | | |
| Storage Temperature | | -35 | | +66 | °C |
| Operating Temperature | | -35 | | +66 | °C |

WIRING SCHEMATIC



DIMENSIONS - IN [mm]



ORDERING INFORMATION

| PART NUMBER | DESCRIPTION |
|---------------------------|---|
| N707AU/ST | Switch and e-strike magnet set |
| N707AU/STATS | Switch and e-strike magnet set with alarm and tamper circuits connected in series |
| N707AU/SW | Switch only |
| N707AU/SWATS | Switch with alarm and tamper circuits connected in series |
| N707AU/M | E-strike magnet only |
| N707AUSPKIT | Spacer kit |
| N707AU/STR1xx | Switch and e-strike magnet set with alarm circuit resistor in series — xx=resistor value |
| N707AU/STR1xxR2xx | Switch and e-strike magnet set with alarm circuit R1 resistor in series and R2 resistor in parallel — xx=resistor value |
| N707AU/STR3 | Switch and e-strike magnet set with tamper circuit resistor in series — xx=resistor value |
| N707AU/STR3xxR4xx | Switch and e-strike magnet set with tamper circuit R1 resistor in series and R2 resistor in parallel — xx=resistor value |
| N707AU/STR1xxR3xxR4xx | Switch and e-strike magnet set with alarm circuit resistor in series and tamper circuit R1 resistor in series and R2 resistor in parallel — xx=resistor value |
| N707AU/STR1xxR2xxR3xx | Switch and e-strike magnet set with alarm circuit R1 resistor in series and R2 resistor in parallel and tamper circuit resistor in series — xx=resistor value |
| N707AU/STR1xxR3xx | Switch and e-strike magnet set with alarm and tamper circuits resistor in series — xx=resistor value |
| N707AU/STR1xxR2xxR3xxR4xx | Switch and e-strike magnet set with alarm and tamper circuit R1/3 resistor in series and R2/4 resistor in parallel — xx=resistor value |

EXAMPLE:

| | |
|-----------------------------|--|
| N707AU/STR11KR210KR32KR433K | N707AU E=Strike set with alarm circuit 1K resistor in series, 10K resistor in parallel, and tamper circuit 2K resistor in series, 33K resistor in parallel |
|-----------------------------|--|

INSTALLATION INSTRUCTIONS

This level 2 BMS is to be connected / used with UL Listed Burglar Panels / Systems, Switch and Magnet must be aligned for correct operation!

WOOD DOORS — NON FERROUS APPLICATIONS:

Mount in desired location and orientation using #6 pan-head screws with a minimum recommended length of 1/2 inch.

To ensure the highest security, keep the gap as small as practical. A 1/32" gap is recommended but the switch will operate at a maximum 1/8" gap.

The flexible cable may exit the switch from either the left or the right side by removing the two #4 flathead machine screws located on the base of the switch and flipping the switch 180°. Refasten the screws but DO NOT OVERTIGHTEN THE SCREWS.

After the switch and magnet have been mounted, remove the SWITCH BASE and temporarily mount the TAMPER INSERT, using the same #6 screws, in the same location that was used to mount the SWITCH BASE. Permanently mount the TAMPER INSERT using a third #6 screw in the location shown in the drawing. Remove the SWITCH BASE mounting screws and re-install the switch base over the TAMPER INSERT. The tamper circuit will alarm before the switch can be removed.

STEEL DOOR AND FERROUS SURFACE APPLICATIONS:

When mounting the switch and magnet on ferrous surfaces such as steel doors and safes, follow the above installation instructions, but you must also install the enclosed 1/4" thick spacers under the switch and magnet to achieve a 1/8" operate gap.

Use #6 screws (stainless steel recommended) with a minimum recommended length of 1-1/2".

Use Spacer Kit (part number: N707AUSPKIT) for installation on offset surfaces to achieve correct alignment.