

ASA, GP Deployment Confirmation Magnet Sensor Procedure

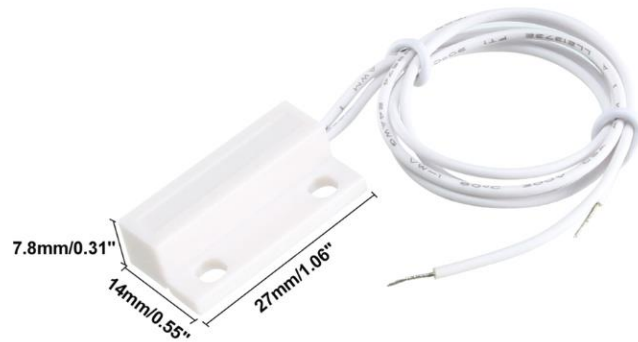


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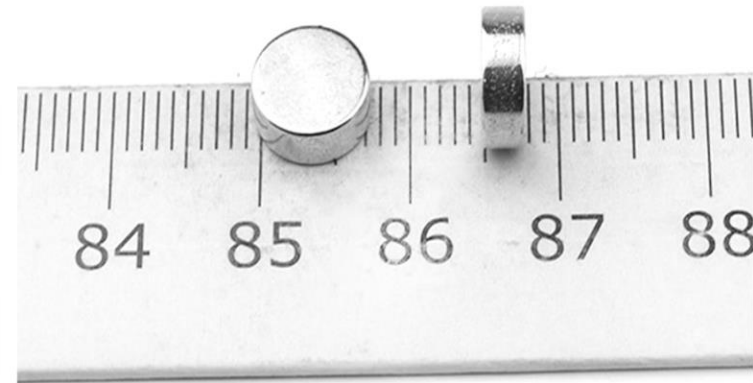


Conforms to UL STD 864
Certified to ULC STD S527
Control number: 5016929

NC 15-25mm



8mm neodymium magnet



8x3mm

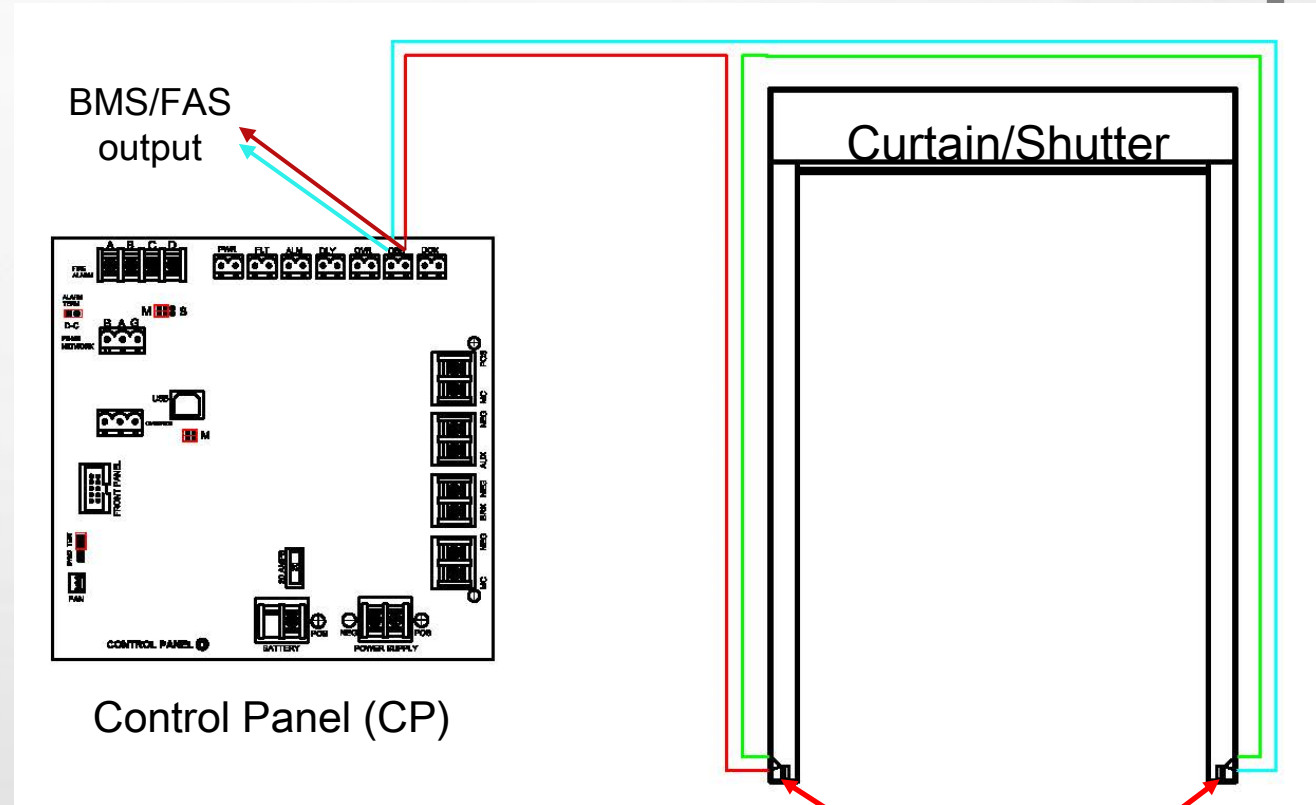
NC-Normal Closed sensor and magnet

Installation sequence:

- 1.) Count the package contents. Each curtain/shutter will require 2x magnet sensors and 2x magnets.
- 2.) Peel adhesive backing strip from the magnet sensor and place the sensor inside the channel opening of the side guide 1/8" above floor level. The face of the magnet should face the side of the bottom bar. Study attached diagram.
- 3.) The wires for the sensors will go up thru one of the empty channel of the side guide. Position the sensor in the side of the side guide where the wire can be routed around the fabric once inside the headbox.
- 4.) Drill 8mm holes 1" from each end of the bottom bar and 1/4" up from the bottom (hole may be factory drilled). The magnets should align with the position of the magnet sensor. Once the bottom bar has been installed on the curtain/shutter fabric, affixed in place the 8mm magnet into both ends of the bottom bar.
- 5.) Both sets of sensor wires will be extended by installer using small wire nuts or soldering extension 18AWG wires onto the existing wires and protecting the connection with heat shrink tubing, then brought into the headbox. Polarity is not important.
- 6.) Next, one wire from each sensor will be connected using a wire nut. This will complete the series circuit for the sensors. The other two wires need to be routed thru new or existing conduit back to the control panel.
- 7.) At the control panel (CP) the two wires coming from the side guide magnet sensors will plug into the (DOK) connector block at the top of the (CP) circuit board. Additionally, from the DOK connector two wires can be run to the building's BMS or FAS system which can monitor the curtain/shutter deployment activities.

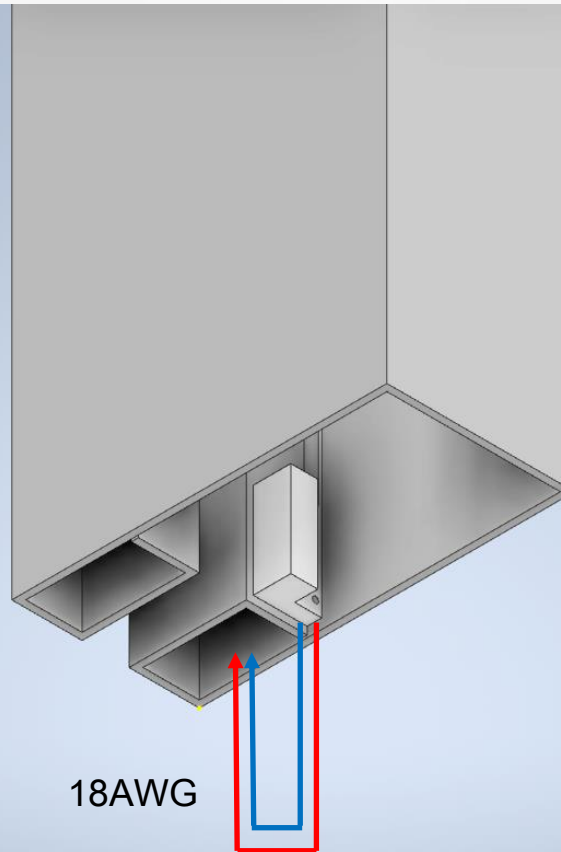
ASA BOTTOM DETECT SENSOR

- The ASA, GP Control Panel (CP) can detect successful deployments of the curtain/shutter through reed magnet sensors installed in the left and right side-guides.
- The corresponding magnets are installed on the left and right sides of the bottom bar. When both the left and right side-guide switches are closed simultaneously the CP will show a deployment ok (DOK) on the front panel screen and send a “closed” signal to the BMS or FAS.
- The CP has a Descent OK (DOK) relay (dry i.e. volt free contact) output on the BMS interface to allow the FA system to monitor the position of the curtain/shutter.
- The Descent OK (DOK) relay closes when ALL the curtain/shutter connected to that CP that have magnet sensors detect the magnets positioned on the vertical ends of the bottom bars once fully deployed.



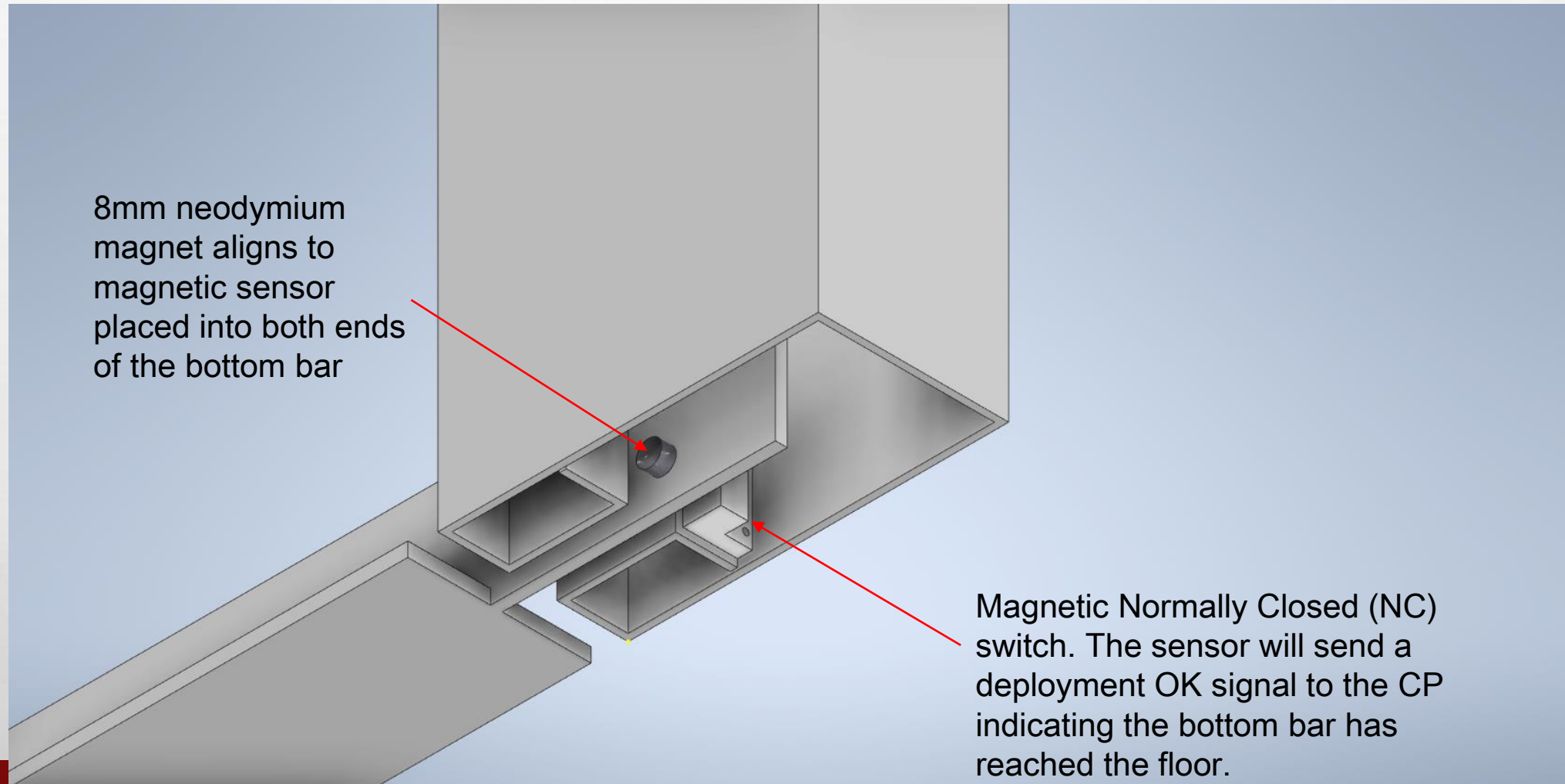
The magnetic sensors are to be installed at floor level to align with the magnets on the bottom bar. The sensors need to be wired in series And connected to the (DOK) block at the top of the CP board.

THE DEPLOYMENT SENSOR USES FIRE RATED ADHESIVE TO HOLD INTO POSITION.
THE SENSOR NEEDS TO BE POSITIONED CLOSE TO THE CHANNEL OPENING AND AT FLOOR LEVEL.
KEEP THE SENSOR OUT OF THE PATH OF THE BOTTOM BAR OR IT MAY BE DISLODGED.
WIRING NEEDS TO GO UP THROUGH EMPTY CHANNEL AND AWAY FROM CURTAIN SIDE TABS.
CAUTION: WIRE CAN BE DAMAGED IF PLACED UNDER THE WEIGHT OF THE SIDE GUIDE.

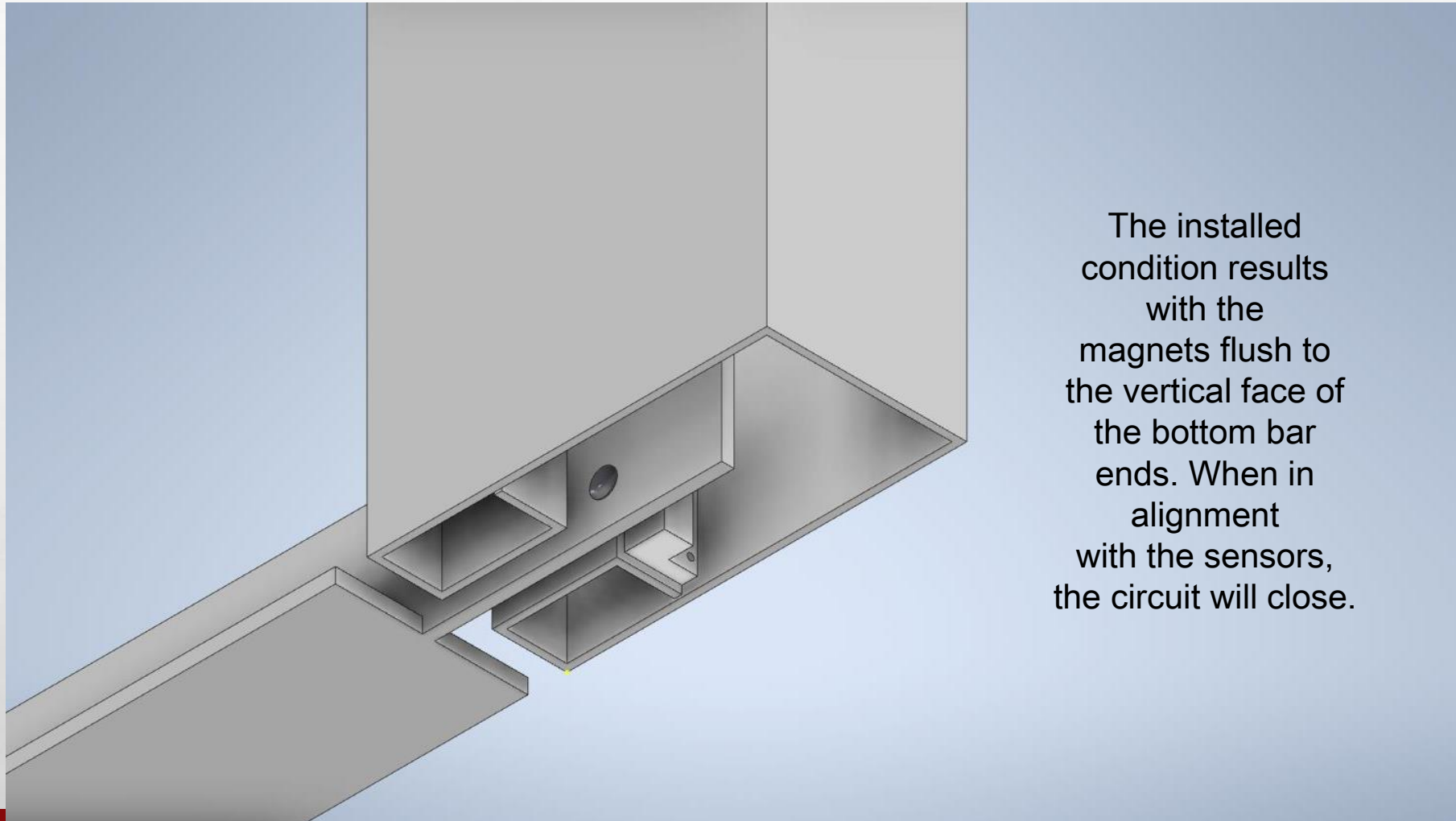


The deployment sensor is placed with the magnetic side facing the bottom bar and the wiring goes in through empty side guide channel. Be sure the wire is not placed under the side guide, or it may be damaged. Polarity is not important.

THE BOTTOM BARS MAGNET'S LOCATIONS WILL ALIGN WITH THE SIDE GUIDE SENSORS
WHEN THE BOTTOM BAR IS IN CORRECT POSITION AND FULLY DEPLOYED.



THE CIRCUIT WILL CLOSE ONCE THE BOTTOM BAR MAGNETS ARE IN ALIGNMENT TO THE SENSORS.
ONCE BOTH SIDES HAVE SENT A CLOSED SIGNAL TO THE CP,
THE CP WILL REGISTER A DESCENT OK (DOK) AND CLOSE THE SIGNAL TO THE BUILDING.



The installed condition results with the magnets flush to the vertical face of the bottom bar ends. When in alignment with the sensors, the circuit will close.

ASA, GP magnet sensor

Description:

1.Fire rated adhesive Mount, Screw Surface Mount contact, ABS Housing. Long wire lead that can side mounted.

2.Switch Type: NC means Normally Closed: when the magnet is together, the circuit closed.

Specification: magnet sensor (Intertek)

Conforms to UL STD 864

Certified to ULC STD S527

Control number: 5016929

Product Name: ASA, GP Magnet Sensor

Contact Type: NC (Normally Closed)

Actuation Distance: 10-15mm

Max. Current: 0.5A

Max. Power: 10W

Working Voltage: DC100V

Each Size(Approx): 27 x 14 x 7.8mm / 1.06-inch x 0.55-inch x 0.31-inch (L*W*H)

Cable Length(Each): 26cm / 10.24-inch

Material: ABS (Housing)

Wire Type: 1007UL#24AWG

Color: White

Net Weight: 12g

Package Content for two side guides:

4 x Magnet Sensors

2 x 8mm magnets