

# 3/8" Recessed Switch Set



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## 2020-12 / 2020-T Series



- ◆ Recessed magnetic contact
- ◆ Press to fit
- ◆ 12" #22 AWG leads or screw terminals
- ◆ Longer leads, zip cord or jacketed cable upon request
  - ◆ Hermetically sealed
  - ◆ Plated contacts resist sticking or freezing
- ◆ Built-in E.O.L. Resistors and Diodes upon request
  - ◆ Supervisory Loops available upon request
  - ◆ Switches and Magnets available separately
    - ◆ Colors: white, brown, gray, almond
    - ◆ Lifetime Warranty



2020-12 CE



2020-T

|                           | <u>Part Numbers</u> |                  |             |             |
|---------------------------|---------------------|------------------|-------------|-------------|
|                           | <u>Closed Loop</u>  | <u>Open Loop</u> | <u>SPDT</u> | <u>DPDT</u> |
| Standard Gap 1/2"+        | 2020-12 } C €       | 3030-12          | 4040-12     | 4545-12     |
|                           | 2020-T              | 3030-T           |             |             |
| Wide Gap 1"+              | 2020-12WG           | 3030-12WG        | 4040-12WG   | 4545-12WG   |
|                           | 2020-TWG            | 3030-TWG         |             |             |
| Extra Wide Gap<br>1 1/2"+ | 2020-12XWG          | 3030-12XWG       | 4040-12XWG  |             |
|                           | 2020-TXWG           | 3030-TXWG        |             |             |

## INSTALLATION APPLICATIONS

GRI's 3/8" recessed press-to-fit contacts can be installed in many different positions to accommodate a variety of applications. The switch and magnet can be mounted end-to-end within an imaginary arc around the switch, or parallel to the switch. When the application calls for a wide gap switch, install the painted end of the bare magnet facing the switch as they are polarity sensitive. The switch and magnet should never form a "T" configuration when installed.

If this series is to be used in a steel door application, GRI's PA-75 adapter should be used with a wide gap switch.

**WARRANTY:** Lifetime warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.  
G.R.I. PLAZA  
KIMBALL, NE 69145

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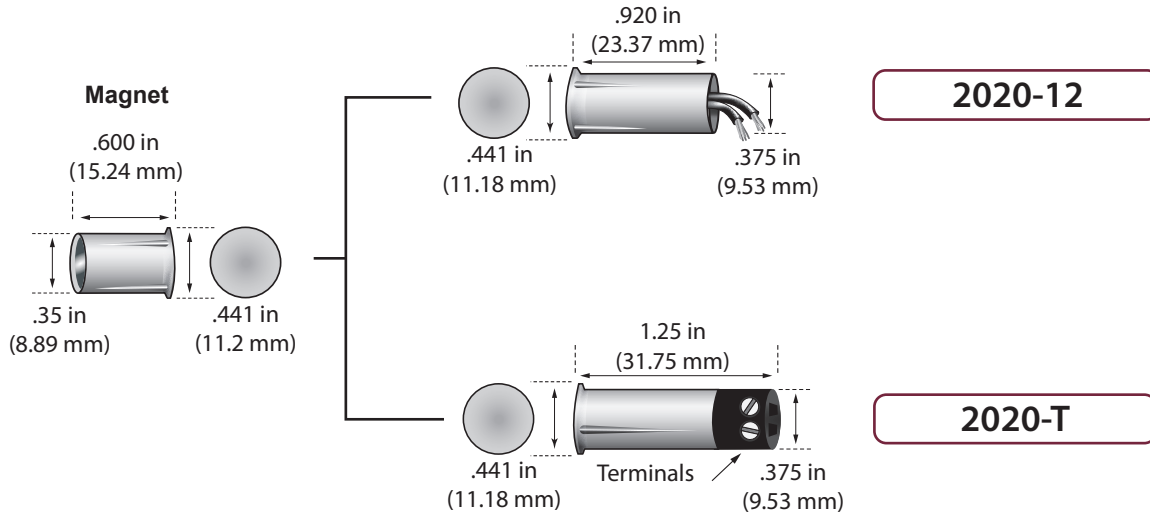


1-800-445-5218  
1-800-523-1227  
(308) 235-4645  
FAX (308) 235-3561  
E-MAIL: sales@grisk.com

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**GRI PRODUCTS MEET OR EXCEED THESE MINIMUM GENERAL SPECIFICATIONS:**

| Part Number | Loop Type   | Electrical Configuration | Reed Form | Max. Initial Contact Resistance (Ω) | Max. Contact Rating (W) | Max. Switching Voltage (VDC) | Max. Switching Current (A) |
|-------------|-------------|--------------------------|-----------|-------------------------------------|-------------------------|------------------------------|----------------------------|
| 2020-12     | Closed      | N/O                      | A         | .150                                | 10                      | 200                          | .500                       |
| 2020-12WG   | Closed      | N/O                      | A         | .150                                | 10                      | 200                          | .400                       |
| 2020-12XWG  | Closed      | N/O                      | A         | .150                                | 10                      | 200                          | .400                       |
| 2020-T      | Closed      | N/O                      | A         | .150                                | 10                      | 160                          | .400                       |
| 2020-TWG    | Closed      | N/O                      | A         | .150                                | 10                      | 160                          | .400                       |
| 2020-TXWG   | Closed      | N/O                      | A         | .150                                | 10                      | 160                          | .400                       |
| 3030-12     | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 3030-12WG   | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 3030-12XWG  | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 3030-T      | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 3030-TWG    | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 3030-TXWG   | Open        | N/C                      | B         | .140                                | 5                       | 175                          | .250                       |
| 4040-12     | Open/Closed | SPDT                     | C         | .140                                | 5                       | 175                          | .250                       |
| 4040-12WG   | Open/Closed | SPDT                     | C         | .140                                | 5                       | 175                          | .250                       |
| 4040-12XWG  | Open/Closed | SPDT                     | C         | .140                                | 5                       | 175                          | .250                       |
| 4545-12     |             | DPDT                     | Cx2       | .140                                | 5                       | 175                          | .250                       |
| 4545-12WG   |             | DPDT                     | Cx2       | .140                                | 5                       | 175                          | .250                       |

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