

# 3/4" & 1" Steel Door Recessed Switch Set

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## 180 / 184 / 8080-T Series



◆ Recessed magnetic contact

◆ 12" #22AWG leads or screw terminals

◆ Longer leads, zip cord or jacketed cable upon request

◆ Built in E.O.L. Resistors and Diodes upon request

◆ Supervisory Loops upon request

◆ Colors white, brown, gray, black

◆  Indicates U.L. 10C Fire Rated



180-12



184-12 C€







8484-T



8080-T

### Part Numbers

|   |           | <u>Closed Loop</u>  | <u>Open Loop</u> | <u>SPDT</u> | <u>DPDT</u> |
|---|-----------|---|------------------|-------------|-------------|
| Standard Gap<br>up to 1/2"<br>on steel* | 3/4" Dia. | 180-12       | 185-12           | 190-12      | 195-12      |
|   | 1" Dia.   | C€ {184-12}  | 189-12           | 194-12      | C€ {199-12} |
|   | 3/4" Dia  | 8080-T  | 8585-T           |             |             |
|   | 1" Dia.   | 8484-T  | 8989-T           |             |             |
| Wide Gap<br>3/4"+<br>on steel*          | 3/4" Dia. | 180-12WG     | 185-12WG         | 190-12WG    | 195-12WG    |
|   | 1" Dia.   | 184-12WG     | 189-12WG         | 194-12WG    | 199-12WG    |
|   | 3/4" Dia  | 8080-TWG  | 8585-TWG         |             |             |
|   | 1" Dia.   | 8484-TWG  | 8989-TWG         |             |             |

7/8" Diameter also available. P/N 81-12 & 81-12WG, white or black only. Call the factory for more information.

## INSTALLATION APPLICATIONS

The GRI 180-12 is the industry standard 3/4" diameter recessed steel door switch set with 12" leads. The innovative GRI 8080-T series is a 3/4" diameter recessed switch set designed for residential, commercial and industrial doors and frames. The shorter length terminals makes the installation of the set quick and simple.

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

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

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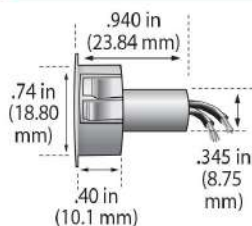
1-800-445-5218  
1-800-523-1227  
(308) 235-4645  
FAX (308) 235-3561  
E-MAIL: sales@grisk.com

# 3/4" & 1" Steel Door Recessed Switch Set

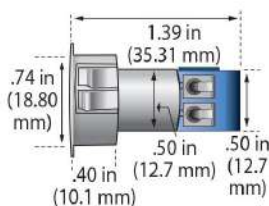
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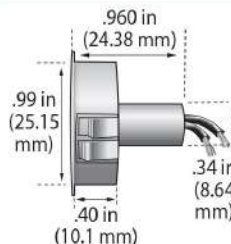
**180-12**



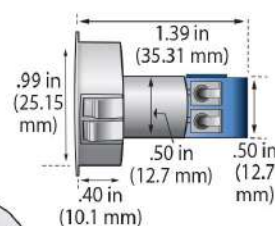
**8080-T**



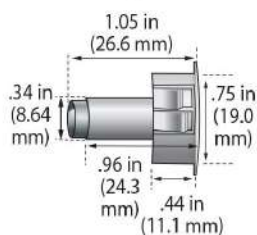
**184-12**



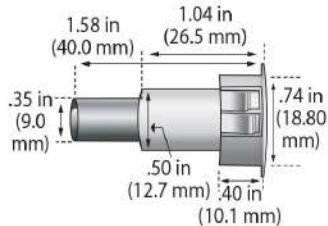
**8484-T**



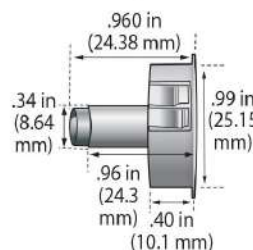
**Magnet**



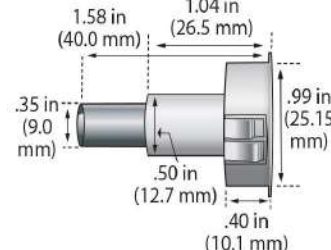
**WG Magnet**



**Magnet**



**WG Magnet**



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

| Part Number | Loop Type   | Electrical Configuration | Reed Form | Maximum Initial Contact Resistance (Ω) | Max. Contact Rating (W) | Max. Switching Voltage (VDC) | Max. Switching Current (A) |
|-------------|-------------|--------------------------|-----------|--|-------------------------|------------------------------|----------------------------|
| 180-12      | Closed      | N/O                      | A         | .150                                   | 10                      | 200                          | .400                       |
| 180-12WG    | Closed      | N/O                      | A         | .150                                   | 10                      | 200                          | .400                       |
| 184-12      | Closed      | N/O                      | A         | .150                                   | 10                      | 200                          | .400                       |
| 184-12WG    | Closed      | N/O                      | A         | .150                                   | 10                      | 200                          | .400                       |
| 8080-T      | Closed      | N/O                      | A         | .150                                   | 10                      | 160                          | .400                       |
| 8080-TWG    | Closed      | N/O                      | A         | .150                                   | 10                      | 160                          | .400                       |
| 8484-T      | Closed      | N/O                      | A         | .150                                   | 10                      | 160                          | .400                       |
| 8484-TWG    | Closed      | N/O                      | A         | .150                                   | 10                      | 160                          | .400                       |
| 185-12      | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 185-12WG    | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 189-12      | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 189-12WG    | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 8585-T      | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 8585-TWG    | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 8989-T      | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 8989-TWG    | Open        | N/C                      | B         | .140                                   | 5                       | 175                          | .250                       |
| 190-12      | Open/Closed | SPDT                     | C         | .140                                   | 5                       | 175                          | .250                       |
| 190-12WG    | Open/Closed | SPDT                     | C         | .140                                   | 5                       | 175                          | .250                       |
| 194-12      | Open/Closed | SPDT                     | C         | .140                                   | 5                       | 175                          | .250                       |
| 194-12WG    | Open/Closed | SPDT                     | C         | .140                                   | 5                       | 175                          | .250                       |
| 195-12      |             | DPDT                     | Cx2       | .140                                   | 5                       | 175                          | .250                       |
| 195-12WG    |             | DPDT                     | Cx2       | .140                                   | 5                       | 175                          | .250                       |
| 199-12      |             | DPDT                     | Cx2       | .140                                   | 5                       | 175                          | .250                       |
| 199-12WG    |             | DPDT                     | Cx2       | .140                                   | 5                       | 175                          | .250                       |

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