

# 1/2" Snap Fit Recessed Switch Set

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## 150 Series

- ◆ Designed for hollow core doors and windows
  - ◆ Hole size allows for extra wire, etc.
  - ◆ Up to one inch standard gap
- ◆ Installs firmly in wood, vinyl and aluminum
- ◆ Recessed magnetic contact    ◆ Press or snap to fit
  - ◆ 12" #22AWG leads or screw terminals
  - ◆ Hermetically sealed
- ◆ Longer leads, zip cord or jacketed cable upon request
  - ◆ 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 and brown
  - ◆ Lifetime Warranty



150-12



150-T

### Part Numbers

|                       | <u>Closed Loop</u> | <u>Open Loop</u> | <u>SPDT</u> | <u>DPDT</u> |
|-----------------------|--------------------|------------------|-------------|-------------|
| Standard Gap up to 1" | 150-12             | 160-12           | 170-12      | 175-12      |
| Standard Gap up to 1" | 150-T              |                  |             |             |
| Wide Gap up to 1 1/4" | 150-12WG           | 160-12WG         | 170-12WG    |             |
| Wide Gap up to 1 1/4" | 150-TWG            |                  |             |             |
| Standard Gap 5/8"+    | 150MF-12           | 160MF-12         | 170MF-12    |             |
| Wide Gap 1"           | 150MF-12WG         | 160MF-12WG       | 170MF-12WG  |             |

Larger than 3/8" but smaller than 3/4", GRI introduces their newest innovative switch design, the one-half inch diameter, flush mount 150-12. This new design is in response to customer requests for a switch that would give them additional "working room" for extra wire, E.O.L. resistors, etc., yet would more readily install in hollow core windows. The 150-12 is a 1/2" diameter contact, manufactured from a special polyvinyl material with a unique collar design that will press into wooden or vinyl clad windows with a "snap-in" fit for hollow core vinyl or aluminum windows.

The 150-12 is paired with a matching 1/2" magnet case to offer the installer a 1" gap. The 150 switch can also be paired with any of the wide selection of GRI magnets (including our MF-875) to help resolve difficult installation applications. Patent Pending.

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

GEORGE RISK INDUSTRIES, INC.  
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KIMBALL, NE 69145

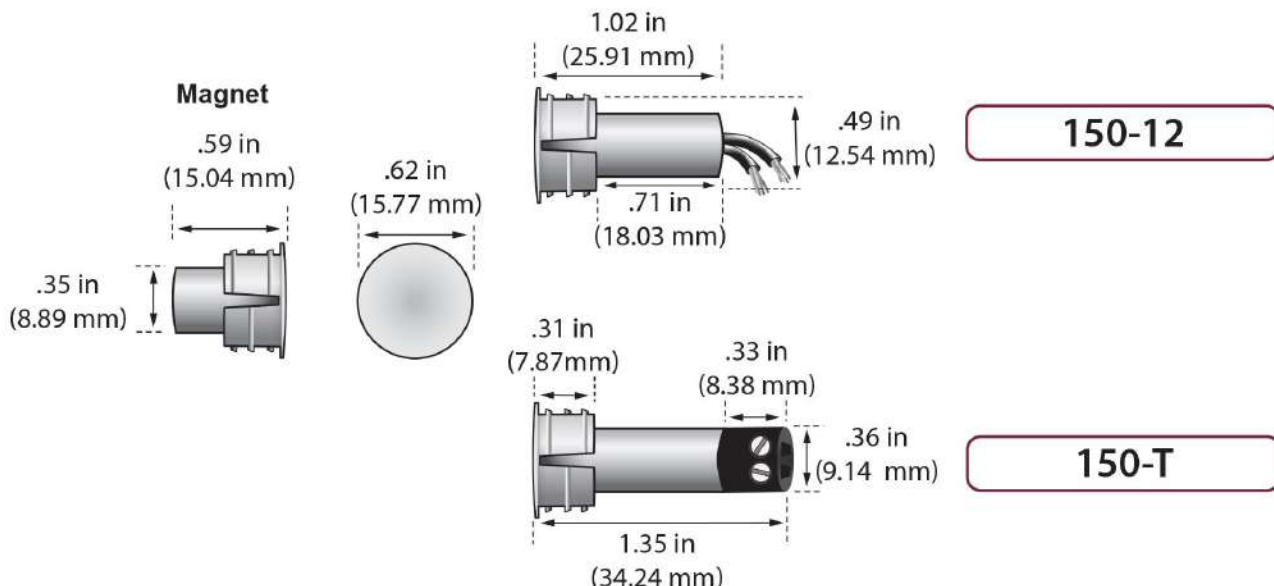
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## GRI PRODUCTS MEET OR EXCEED THESE MINIMUM GENERAL SPECIFICATIONS:

| Part Number | Loop Type   | Electrical Configuration | Reed Form | Maximum Initial Contact Resistance ( $\Omega$ ) | Maximum Contact Rating (W) | Maximum Switching Voltage (VDC) | Maximum Switching Current (A) |
|-------------|-------------|--------------------------|-----------|-------------------------------------------------|----------------------------|---------------------------------|-------------------------------|
| 150-12      | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .500                          |
| 150-T       | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .500                          |
| 150-12WG    | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .400                          |
| 150-TWG     | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .400                          |
| 150MF-12    | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .500                          |
| 150MF-12WG  | Closed      | N/O                      | A         | .150                                            | 10                         | 200                             | .400                          |
| 160-12      | Open        | N/C                      | B         | .140                                            | 5                          | 175                             | .250                          |
| 160-12WG    | Open        | N/C                      | B         | .140                                            | 5                          | 175                             | .250                          |
| 160MF-12    | Open        | N/C                      | B         | .140                                            | 5                          | 175                             | .250                          |
| 160MF-12WG  | Open        | N/C                      | B         | .140                                            | 5                          | 175                             | .250                          |
| 170-12      | Open/Closed | SPDT                     | C         | .140                                            | 5                          | 175                             | .250                          |
| 170-12WG    | Open/Closed | SPDT                     | C         | .140                                            | 5                          | 175                             | .250                          |
| 170MF-12    | Open/Closed | SPDT                     | C         | .140                                            | 5                          | 175                             | .250                          |
| 170MF-12WG  | Open/Closed | SPDT                     | C         | .140                                            | 5                          | 175                             | .250                          |
| 175-12      | Open/Closed | DPDT                     | Cx2       | .140                                            | 5                          | 175                             | .250                          |

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