

## 87940 Series

---

### Push-Pull Switch



#### DESCRIPTION

The Honeywell push-pull switch is a robust, environmentally sealed, sliding contact switch incorporating two circuits with multiple combinations. The sliding contacts provide positive contact closure and opening when the switch knob is operated. The switch is available as a dual circuit switch. Contact closures are available with both circuits closed in the push position, or both circuits closed the pull position, or alternate closure, one closed and one open.

Also available is an option of a single circuit switch for high volume sales. The dual o-ring design protects the contact chamber by isolating it from any moisture or any other contaminant.

#### Replacement for sealed and unsealed:

- PTO switches
- Park brake switches
- Most push-pull switch applications
- Emergency stop switches

#### FEATURES

---

- Moisture and contaminant resistant
- Designed for severe temperatures
- Vibration resistant
- Sliding contacts
- Knob available in a variety of colors
- IP67 sealing available
- UL file E219293

#### POTENTIAL APPLICATIONS

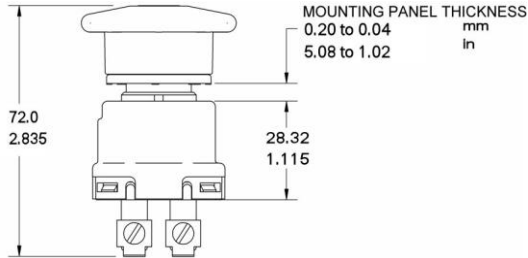
---

- Construction
- Agricultural
- Marine
- Material handling
- Machine tools
- Mining
- Military vehicles
- Lawn and garden
- Heavy equipment

## ORDER GUIDE

Catalog Listing	Description
87941	2 NO circuits in push
87943	1 NO and 1 NC circuits in push
87944	2 NC circuits in push

## DIMENSIONS



## SPECIFICATIONS

Maximum design electrical load	20 A @ 12 Vdc to 14 Vdc 10 A @ 24 Vdc
Operating temperature extremes	-40 °C to 100 °C [-40 °F to 212 °F]
Endurance test cycle life at design electrical load	25,000 cycles
Standard electrical connection	Screw terminals

### **⚠ WARNING**

#### **RISK TO LIFE OR PROPERTY**

- Never use this product for an application involving serious risk to life or property without ensuring that the system as a whole has been designed to address the risks, and that this product is properly rated and installed for the intended use within the overall system.

**Failure to comply with these instructions could result in death or serious injury.**

### **⚠ WARNING**

#### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

## SALES AND SERVICE

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

**E-mail:** [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

**Internet:** [www.honeywell.com/sensing](http://www.honeywell.com/sensing)

### **Phone and Fax:**

Asia Pacific +65 6355-2828  
+65 6445-3033 Fax  
Europe +44 (0) 1698 481481  
+44 (0) 1698 481676 Fax  
Latin America +1-305-805-8188  
+1-305-883-8257 Fax  
USA/Canada +1-800-537-6945  
+1-815-235-6847  
+1-815-235-6545 Fax

Sensing and Control  
Honeywell  
1985 Douglas Drive North  
Golden Valley, MN 55422  
[www.honeywell.com](http://www.honeywell.com)

006161-4-EN IL50 GLO Printed in USA  
June 2009  
Copyright © 2009 Honeywell International Inc. All rights reserved.

# Honeywell