



## Honeywell Custom Vehicle Control User Guide

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## Introductions

The drive to do it better. Throttle controls. Indicator lights. Custom switches. Integrated panel assemblies. Every vehicle control imaginable — left- or right-handed — for potential applications, such as all-terrain and electric vehicles, snowmobiles, motorcycles and golf carts, MHE, agriculture and construction equipment and more. Honeywell Sensing and Control (S&C) packaged sensor and switch solutions drive innovation:

- Switch design and packaging expertise
- Complete, competitive custom designs
- Robust, self-cleaning sliding contacts
- Modular and sealed switches
- Integral connectors or wire harnesses
- Accessory mounting points
- Integrated control modules
- Local engineering support
- Global sourcing and manufacturing

## FEATURES

### **CUSTOM VEHICLE CONTROLS Shifters, Switches, Multi-function Controls, Indicator Lights, and Throttles**

#### **Features:**

Custom controls designed for most applications requiring multifunction electrical/electromechanical applications

- Designed for use in most harsh environment applications
- Choice of sealed or unsealed components
- Honeywell application engineering, manufacturing expertise, and quality processes

#### **Control and Switch capability:**

- Custom packaged switches
- Environmentally protected
- Ergonomically sensitive in design
- Back-lit components
- Superior fit and finish
- Design leading-edge technology for most severe applications

#### **Potential equipment applications:**

- Snowmobiles
- Motorcycles
- Construction
- Material handling equipment
- All-terrain vehicles
- Electric vehicles
- Forestry

- Agriculture
- Lawn and garden
- Military vehicles

## LEFT AND RIGHT HAND HANDLEBAR CONTROLS

**Features:** Common components and inserted tooling to reduce OEM tooling investment

- Easily expandable functionality without increased testing or engineering
- Flexible design accommodates three to seven functions on left hand control and up to three functions on right hand control
- Standard circuitry and components
- Broad/global specification fits most North American offroad and European on-road requirements
- Customizable, small form factor provides more room on the handle bar
- Patentpending designs

**Potential equipment applications:** ATVs

- Motorcycles
- Snowmobiles
- Electric vehicles
- Segway® mobile platforms
- Standing, handbar-maneuvered machines (i.e., industrial sweepers, grocery/luggage cart collectors, etc).

### Moving ahead.

Honeywell S&C keeps customers moving forward with a robust lineup of custom vehicle controls. Our unrivaled engineering expertise brings unique solutions:

**Terminal Array technology** offers an unsealed, efficiently manufactured design to withstand most punishing applications. And no additional wiring, wrapping or soldering saves on per-unit labor cost.

**Rapid Fused Deposition Modeling (FDM) and Stereolithography (SLA)** facilitate manufacturing speed with models delivered in days. Affordable prototypes are dimensionally representative and include functionality, giving engineers capabilities to identify potential design issues early.

Honeywell S&C offers leading edge technological capabilities in packaging sensors and switches; full in-house testing; invaluable experience in harsh environments; and Six Sigma quality and processes.



Sealing

Load

Operating temperature range

Voltage/Wattage

All custom control products are designed to meet customer requirements.

Mounting

Approvals

Size

## Warranty

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 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.

For more information about Sensing and Control products, visit [www.honeywell.com/sensing](http://www.honeywell.com/sensing) or call +1-815-235-6847;

Email inquiries to [info.sc@honeywell.com](mailto:info.sc@honeywell.com)



### **WARNING** **PERSONAL INJURY**

- **DO NOT USE** these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

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



### **WARNING** **MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. **DO NOT USE** this document as product installation information.
- 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.

Support

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Documents / Resources

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