HJ series

Proportional rugged hand grip controllers • non-contacting Hall effect technology

DISTINCTIVE FEATURES

- Supply Voltage Range: Analog: 5.00VDC ±0.25VDC, CAN/CANOpen: 6-35VDC
- Reverse Polarity Max: -14.5V
- Overvoltage Max: 16V
- Minimum load: 1Ω
- Return to Center Voltage Tolerance (no load): ±0.2V

MECHANICAL SPECIFICATIONS

- Operating Force: 14.0N (3.10lbf)
- Maximum Vertical Load: 2000N (450lbf)
- Maximum Horizontal Load: 2000N (450lbf)
- Mechanical Angle of Movement: 38°
- Expected Mechanical Life: 5 million lifecycles
- Mass/weight: 544.3g (19.2oz)
- Lever Action (centering): Spring

ELECTRICAL SPECIFICATIONS

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C
- Above Panel Sealing: Up to IP67 (subject to final specifications)
- EMC Immunity Level: EN61000-4-8: 2009
- EMC Emissions Level: EN61000-4-3:2006
- ESD: EN61000-4-2:2008

ENVIRONMENTAL SPECIFICATIONS

- Supply Voltage Range: Analog: 5.00VDC ±0.25VDC, CAN/CANOpen: 6-35VDC
- Reverse Polarity Max: -14.5V
- Overvoltage Max: 16V
- Minimum load: 1Ω
- Return to Center Voltage Tolerance (no load): ±0.2V

MATERIALS

- Body: Glass reinforced nylon
- Handles: Glass reinforced nylon

The company reserves the right to change specifications without notice.
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### BUILD YOUR PART NUMBER

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#### HANDLE
- **RM** Round Multifunction

#### LIMITER PLATE
- **A** Square
- **B** Round
- **P** + Limiter
- **X** X axis only
- **Y** Y axis only
- **G** Square, guided feel
- **H** Round, guided feel

#### OUTPUT
- **A** 0-5
- **B** 0.25-4.75
- **C** 0.5-4.5
- **D** 1-4
- **E** (0-5) (5-0)
- **F** (0.25 - 4.75) (4.75 - 0.25)
- **G** (0.5 - 4.5) (4.5 - 0.5)
- **H** (1 - 4) (4 - 1)
- **N** CANbus J1939
- **P** Canopen
- **U** USB Joystick, Game Controller
- **T** USB Mouse, Cursor Control
- **X** Volt Reg 0-10
- **Y** Volt Reg +/-10

#### FACEPLATE
- **A** Two Pushbuttons
- **B** Four Pushbuttons
- **C** Five Pushbuttons
- **D** Six Pushbuttons
- **E** Eight Pushbuttons
- **F** Toggle Switch & Two Pushbuttons
- **G** Two Pushbuttons & Toggle Switch
- **H** Toggle Switch, Thumbwheel, Two Pushbuttons
- **J** Two Pushbuttons, Thumbwheel, Toggle Switch
- **K** Two Axis Joystick & Two Pushbuttons
- **L** Toggle Switch, Mini Joystick, Two Pushbuttons
- **M** Two Toggle Switches
- **N** Two Pushbuttons, Mini Joystick, Thumbwheel
- **P** Four Pushbuttons, Mini Joystick
- **Q** Two Pushbuttons, Mini Joystick, Toggle Switch
- **R** Thumbwheel, Mini Joystick, Two Pushbuttons

### DIMENSIONS

For more details about:
- Thumbwheel: see CW series
- Mini Joystick: see TS series
- Toggle switch: see MT series
- Pushbuttons: see IM series

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