

PKD series

Advanced CANbus keypad, featuring a pushable rotary encoder and a joystick version



DISTINCTIVE FEATURES

Configurable backlight and indicators with RGB LED

Programmable functions

Vertical or horizontal mount

CANopen and J1939 communication protocol



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature : -40°C to +70°C
- Storage temperature : -40°C to +85°C
- Thermal shock : -40°C to +85°C According to table 2 of ISO16750-4
- Mechanical shock : test IEC 60068 2-27 3-axis X,Y,Z 50Gs 11ms
- Vibration : test IEC 60068 2-6 3-axis X,Y,Z 10-150Hz 0.15mm
- UV protection : UVB 400 hours
- Salt spray per ASTM B117
- Chemical resistance : engine cleaner, isopropyl alcohol, suntan lotion, multi-purpose cleaner, muriatic acid
- Ingress protection rating : IP67/IP69K



ELECTRICAL SPECIFICATIONS

- Supply voltage : 12-24Vdc Nominal (8-32VDC)
- Standby current : <50 mA
- Communication : BUS CANopen, J1939



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MECHANICAL SPECIFICATION

- Standard connector : deutsch DT04-4P
- Switch life : 3 million operations
- Mounting studs : 2x #10-32 steel
- Rotary encoder + joystick :
 - Activation force : $5.5 \pm 3.5\text{N}$ ($560 \pm 350\text{gf}$)
 - Max. angle : 6°
 - Operation life : 500.000 cycles min



MATERIALS

- Rubber specs : silicone rubber with polyurethane hardcoat
- PCB 1,6mm thick, Nema Grade FR-4, double clad with 1oz copper

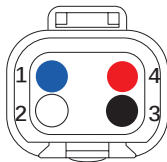


EXTRA FEATURES AVAILABLE ON REQUEST

- Custom laser etched icons
- Specific connectors and cables
- Anodized color options for the knob
- Custom knob shape

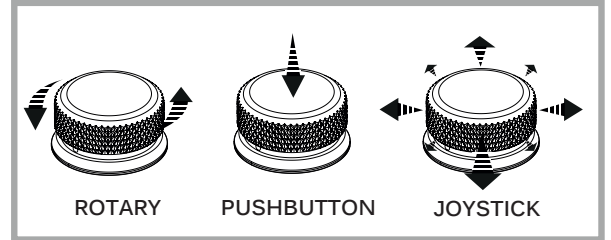


CONNECTIONS



WIRE SIDE

CONNECTOR STANDARD PINOUT		
PIN	COLOR	FUNCTION
1	Blue	CAN L
2	White	Can H
3	Black	Negative battery
4	Red	Vbatt. (12-24V)



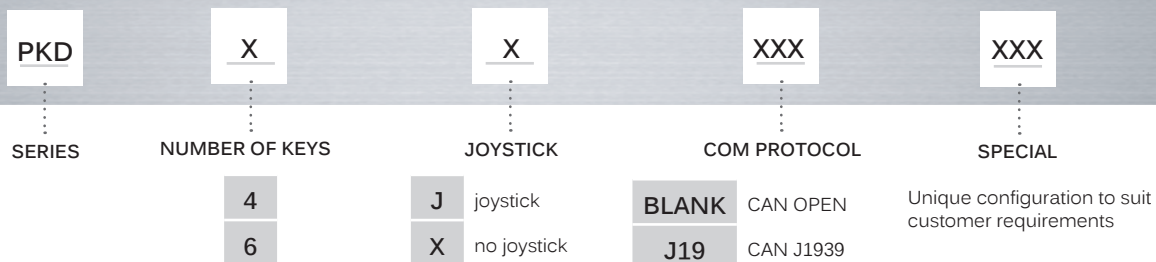
- Rotary and pushbutton
- Option: rotary, pushbutton and joystick

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BUILD YOUR PART NUMBER



ABOUT THIS SERIES

Some configurations are shown on the following pages. Other drawings are available on request.



Notice : please note that not all combinations of above numbers are available. Refer to the following pages for further information.

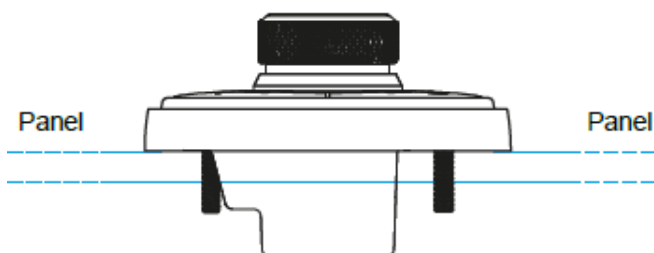
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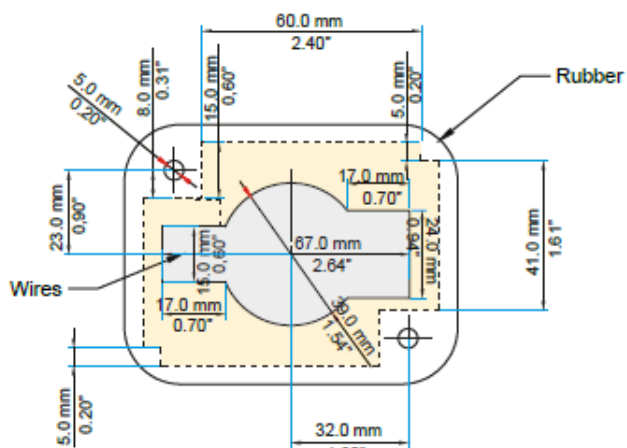
PKD4 SERIES



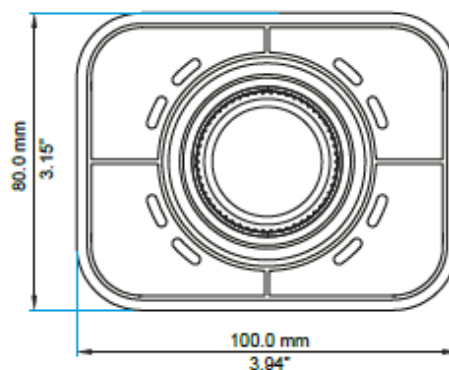
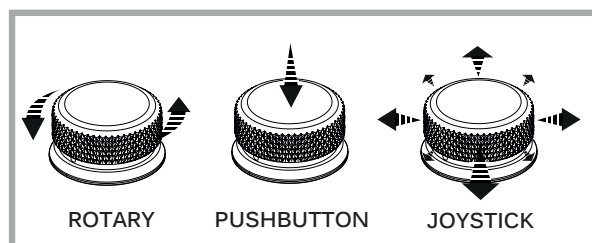
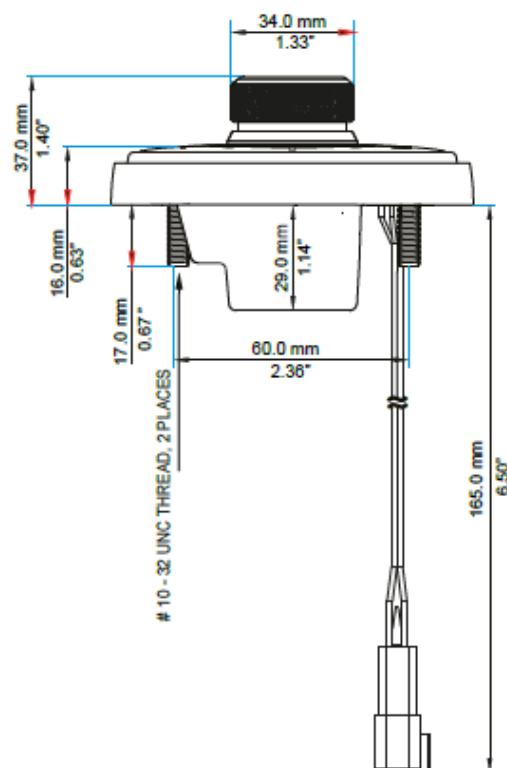
PKD4
PKD4J



SURFACE MOUNT



SURFACE MOUNT CUTOUT



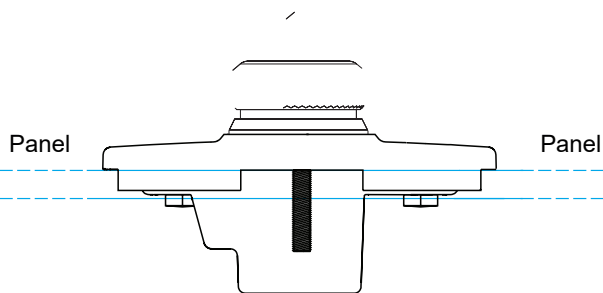
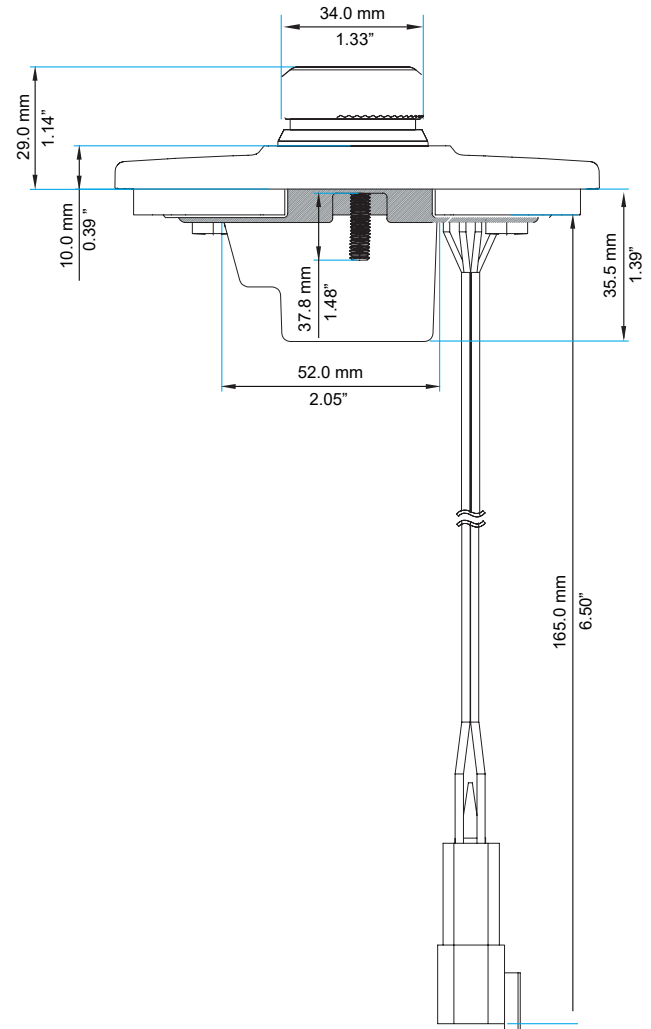
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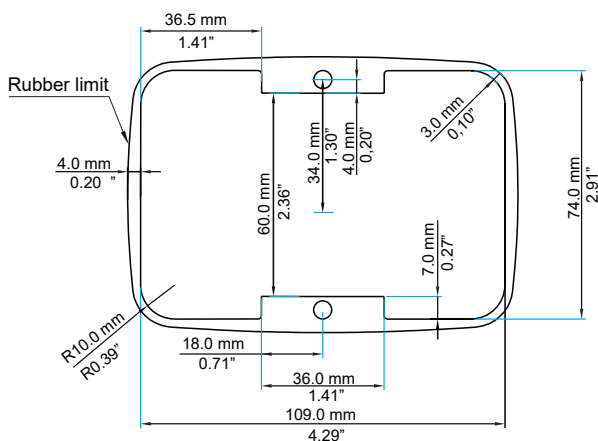
PKD6 SERIES



PKD6
PKD6J



SURFACE MOUNT



SURFACE MOUNT CUTOUT

