

# CAN KEYPADS

08|2023



# CAN Keypads

## Basic Features

- Different designs and key sizes
- Dual encoder or encoder knob
- Water- and dust-tight, pressure washer, chemical and UV-resistant
- Symbol insert plates of the PowerKeyPro (PKP) series can be equipped variably
  - [large number of symbols](#)
  - own designs possible on request
- Alternatively available as Full Rubber (-FR) or PowerKey (PK) variants with specific printing



# CAN Keypads

## Technical Data

<b>Supply Voltage</b>	12-24Vdc Nominal (8-32VDC)
<b>Standby Current</b>	<50 mA
<b>Communication BUS</b>	CANopen, J1939
<b>Connector</b>	Deutsch DT04-4P
<b>Switch Life</b>	3 million operations
<b>Mechanical Shock</b>	X, Y, Z 50Gs 11ms
<b>Vibration</b>	X, Y, Z 10 – 150Hz 0.15mm amp
<b>Mounting Studs</b>	#10-32 Steel
<b>Keypad</b>	Silicone rubber with polyurethane hardcoat
<b>PC Board</b>	1,6mm thick, Nema Grade FR-4, double clad with 1oz copper
<b>Operating Temperature</b>	-40°C to +70°C
<b>Storage Temperature</b>	-40°C to +85°C
<b>Thermal Shock</b>	-40°C to +85°C According to table 2 of ISO16750-4
<b>Humidity</b>	0 to 98% (no condensation)
<b>UV Protection</b>	UVB 400 hours
<b>Salt Spray</b>	Per ASTM B117
<b>Chemical Resistance</b>	Deet, Engine Cleaner, Isopropyl Alcohol, Suntan Lotion, Multi-Purpose Cleaner, Orange Citrus Cleaner, Muriatic Acid
<b>Ingress protection Rating</b>	IP67/NIP69K



## Technical data

### PKP series

- Key diameter: 15 mm (-SI) or 24 mm (-LI)
- Electrical connection: DT04-4P
- Protocol selectable (CANopen, J1939)
- Baud rate 250 or 500 kbit/s adjustable
- Acyclic or cyclic CAN communication adjustable



# Adjustable and interchangeable

## PKP series

- RGB LED per button, adjustable colors red, green, blue, yellow, cyan, purple, ice white, amber and lime
- Freely selectable backlight (color and brightness) for night operation
- Bright LEDs, visible in sunlight, dirt or other poor visibility conditions
- Large number of [symbol plates for offroad, industrial, motorsport and marine](#)
- Tool for easy installation and replacement of the plates



## Solid rubber keys

### PKP -FR series

The keys of the FullRubber models are made of solid rubber.

- Standard labeling with numbers from 1 - x (depending on variant)
- Alternatively, key labeling can be personalized
- Larger key surface allows 18 mm marking diameter instead of 14 mm



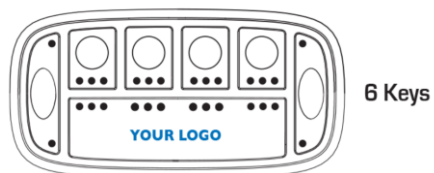
# Flagship model of IP67 keyboards

## PowerKey1000 and 1400 Series

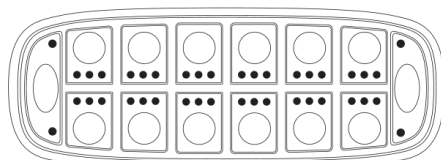
The compact and elegant housing of the PowerKey 1000 can be personalized with symbols on the keys, and with a label on each LEDs as well.

- Key labeling: Laser etched symbols, additional colored printing possible
- Freely adjustable RGB LEDs

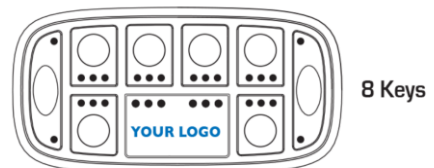
### ▪ Variants PK-1000 Variants PK-1400



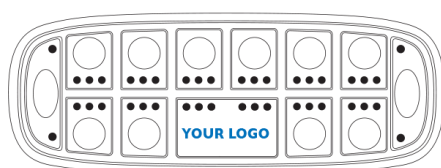
6 Keys



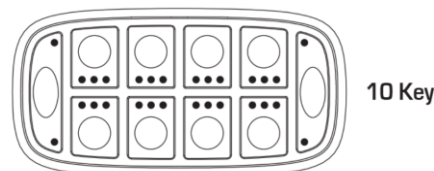
14 Keys



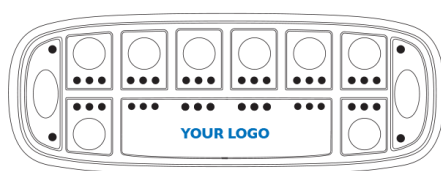
8 Keys



12 Keys



10 Keys



10 Keys



[Other accessories](#) →



## For the larger function applications

### Powertrack

CANopen | J1939 | RGB | IP54

#### Robust CAN control unit with 6 full rubber keys, 1 rotary knob and RGB lighting

- Six quick pick keys
- Rotary/push knob simplifies management of complex scroll functions
- Personalizable by means of laser etched symbols
- Freely adjustable RGB lighting (clearly visible even in the dark)



Data Panel  
Product of the month  
Promotion price: 262€ per piece



[Direct to the store](#)







AGRICULTURAL



CONSTRUCTION



MUNICIPAL



SPECIAL TRANSPORTATION

Application solutions & products for simple, decentralized and high-quality machine installation

## MOBILE AUTOMATION, PLUGGED IN - DONE!

**DATA PANEL GmbH**  
[Fabrikstrasse 12](#)  
[71570 Oppenweiler](#)  
**GERMANY**

**Tel.:** +49 7191 90 43 69 10  
**eMail:** [info@data-panel.eu](mailto:info@data-panel.eu)  
**Web:** [www.data-panel.eu/en](http://www.data-panel.eu/en)

