

PKR series

Advanced full rubber compact keypads



DISTINCTIVE FEATURES

Configurable backlight and indicators with RGB LED

Programmable functions

Vertical or horizontal mount

Compact design

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



PKR series

Advanced full rubber compact keypads



MECHANICAL SPECIFICATION

- Standard connector : deutsch DT04-4P
- Switch life : 3 million operations
- Mounting studs : 2x #10-32 Steel



MATERIALS

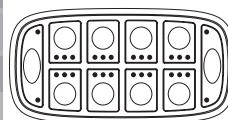
- Rubber specs : silicone rubber with polyurethane hardcoat
- PCB 1,6mm thick, Nema Grade FR-4, double clad with 1oz copper



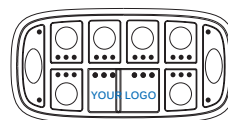
EXTRA FEATURES AVAILABLE ON REQUEST

- Custom laser etched icons
- Specific connectors and cables
- Pad printed logo (only for type 1&2)
- Number of LED per key configurable : 0 to 3

SIZE 1



10 KEYS

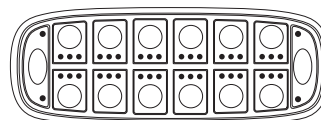


8 KEYS

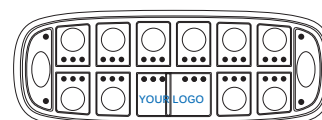


6 KEYS

SIZE 2



14 KEYS

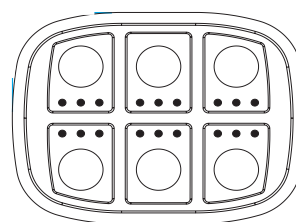


12 KEYS

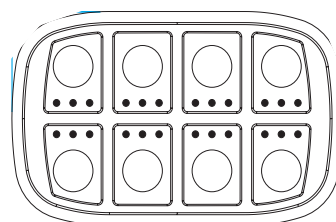


10 KEYS

SIZE 3



SIZE 4

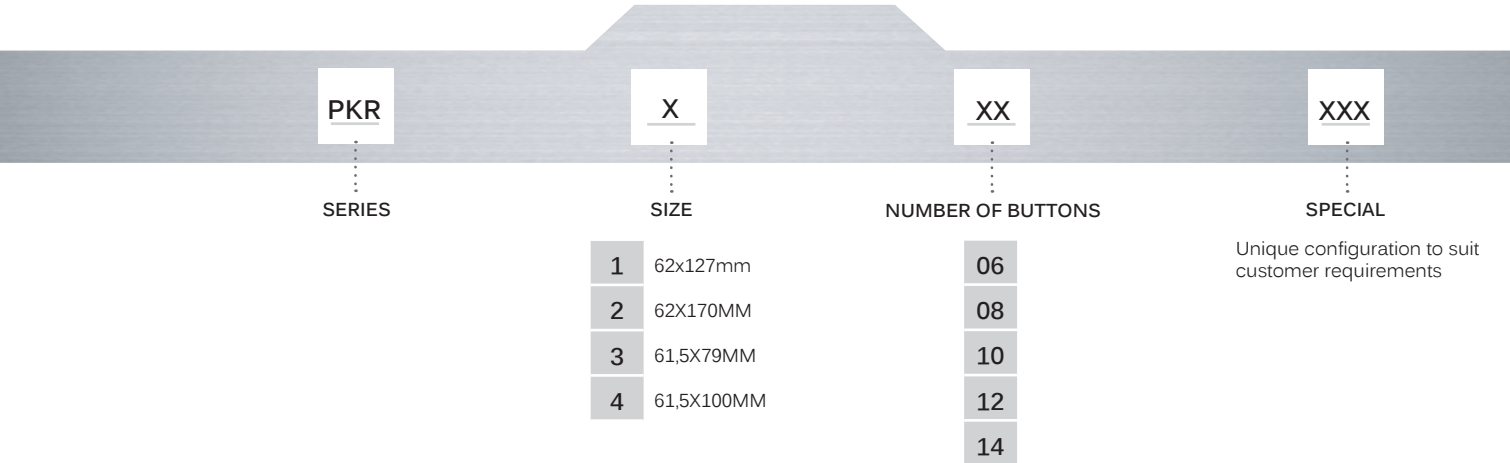


PKR series

Advanced full rubber compact keypads



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.

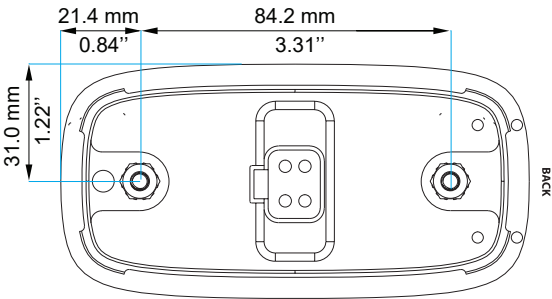
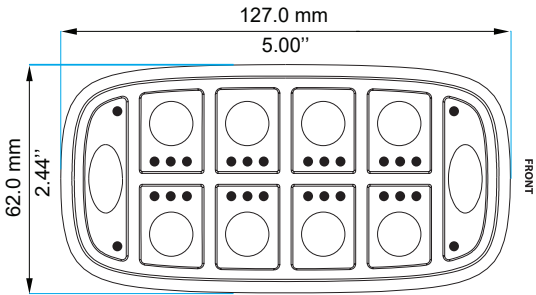
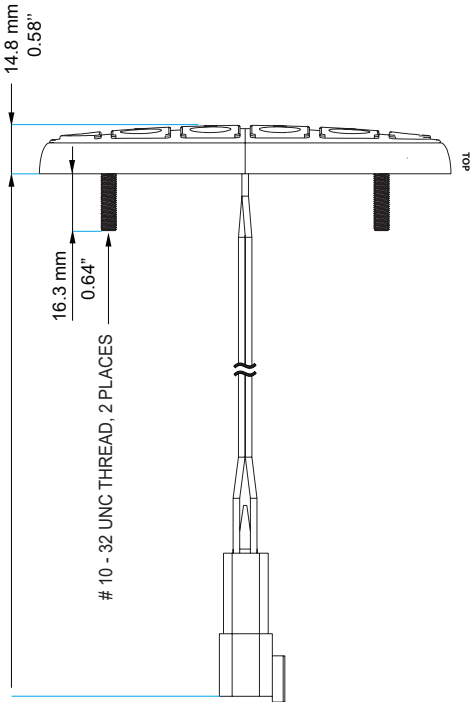
PKR series

Advanced full rubber compact keypads

SIZE 1

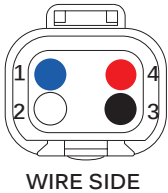


PKR110
PKR108
PKR106



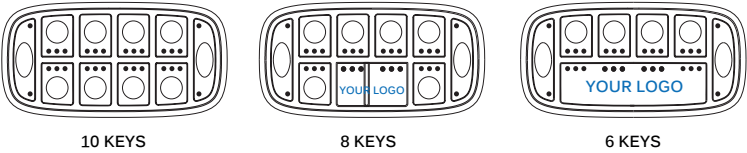
MOUNTING NOTES:
Nuts thread : 2x #10-32
Maximum torque : :1,8Nm - 16lbf-in

All connection wire are the same lenght



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

The one illustrated above is the standard pinout; however, some keypads may be supplied with alternative pinouts or connectors.



10 KEYS

8 KEYS

6 KEYS

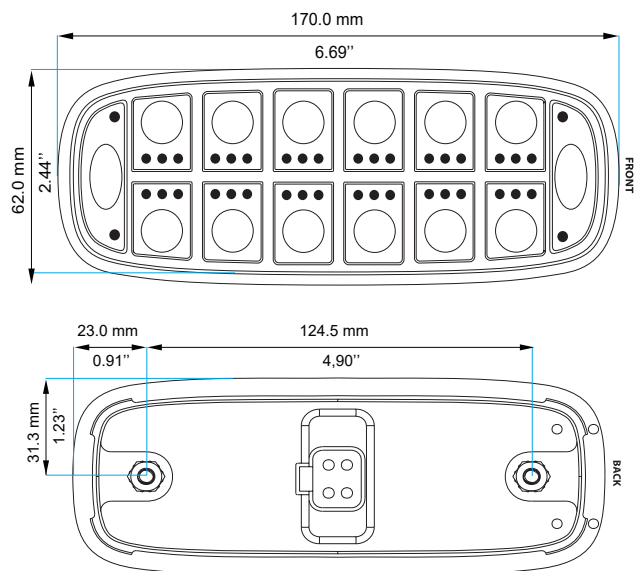
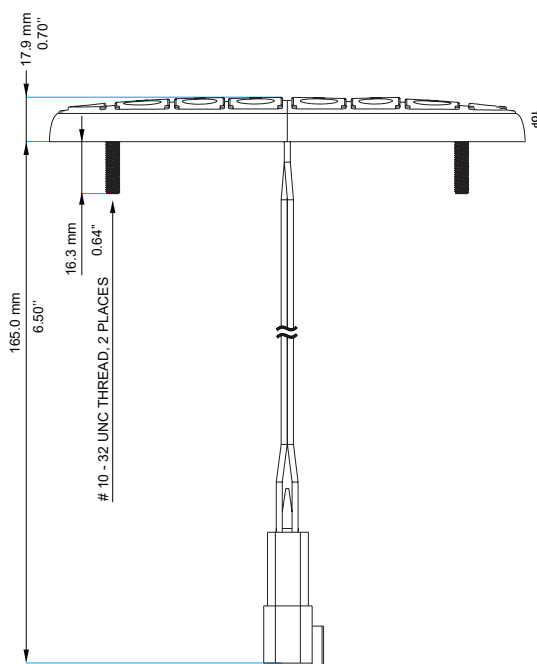
PKR series

Advanced full rubber compact keypads

SIZE 2



PKR214
PKR212
PKR210



MOUNTING NOTES:
Nuts thread : 2x #10-32
Maximum torque : :1,8Nm - 16lbf-in

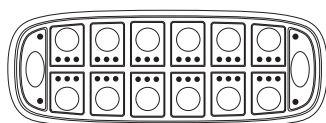
All connection wire are the same lenght



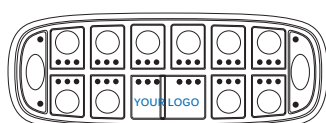
WIRE SIDE

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

The one illustrated above is the standard pinout; however, some keypads may be supplied with alternative pinouts or connectors.



14 KEYS



12 KEYS



10 KEYS

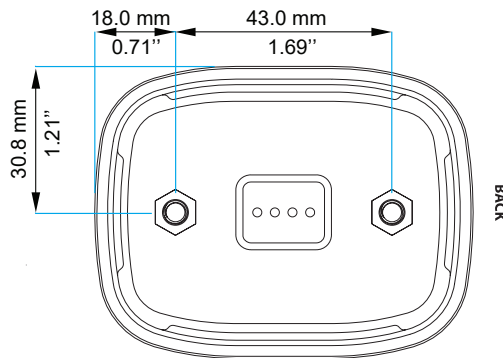
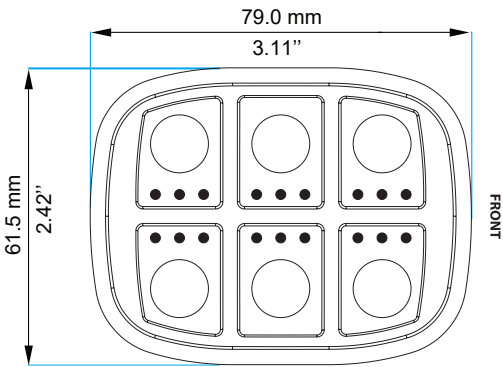
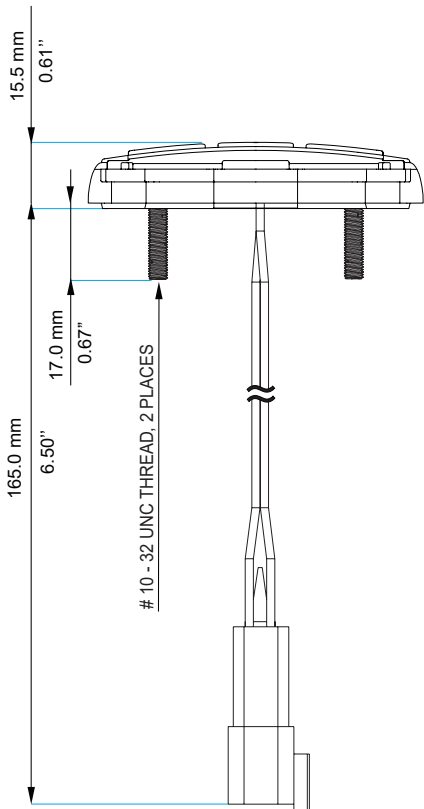
PKR series

Advanced full rubber compact keypads

SIZE 3 - 6 KEYS

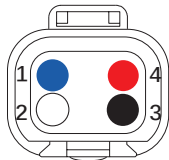


PKR306



MOUNTING NOTES:
Nuts thread : 2x #10-32
Maximum torque : :1,8Nm - 16lbf-in

All connection wire are the same lenght



WIRE SIDE

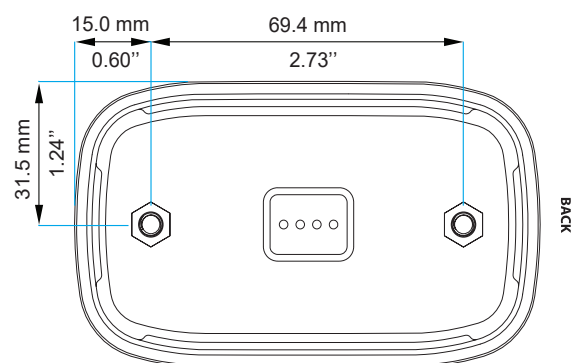
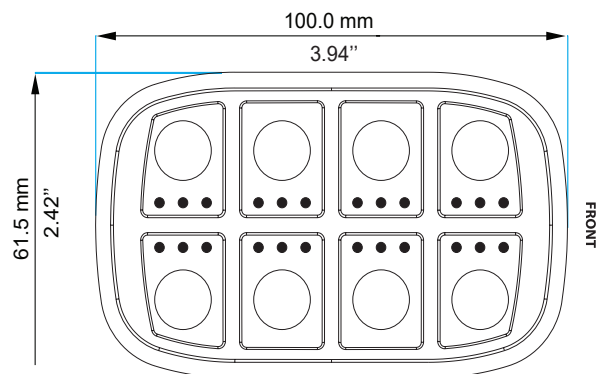
PIN	COLOR	FUNCTION
1	Blue	CAN L
2	White	CAN H
3	Black	Negative battery
4	Red	Vbatt. (12-24V)

The one illustrated above is the standard pinout; however, some keypads may be supplied with alternative pinouts or connectors.

Advanced full rubber compact keypads

Technical drawing of a 10-32 UNC threaded rod assembly. The drawing shows a side view of the assembly, including a base plate, a threaded rod, and a nut. The dimensions are as follows:

- Overall height: 165.0 mm (6.50")
- Height from base to top of plate: 17.0 mm (0.67")
- Height from base to top of plate (alternative dimension): 15.5 mm (0.61")
- Thread specification: # 10 - 32 UNC THREAD, 2 PLACES



WIRE SIDE

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

The one illustrated above is the standard pinout; however, some keypads may be supplied with alternative pinouts or connectors.