

AGRICULTURE PRODUCT RANGE

# INDEX

PC21B

### KEYPADS POWERKEY PRO SERIES 08 PKP-SI SERIES 12 22 PKP-LI SERIES PKP-SI-FR SERIES 28 POWERKEY SERIES 32 POWERTRACK 40 POWER MANAGEMENT UNITS 46 KEYBOX

Blink Marine. A leading expert in CAN-based digital switching solutions.

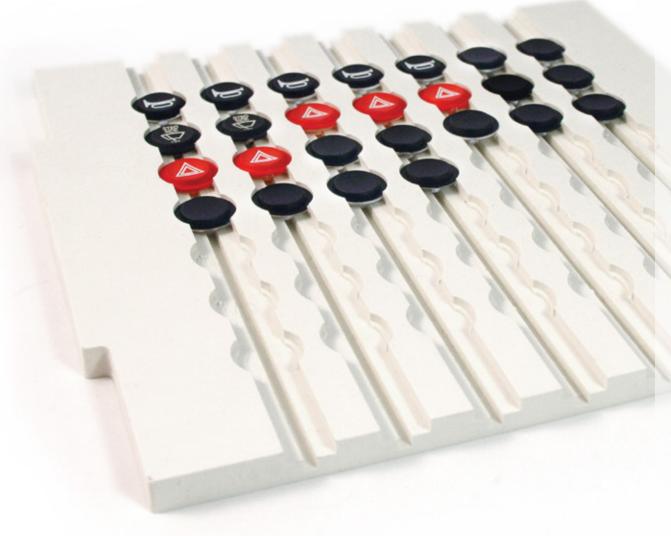
Based in Milan, Italy, Blink Marine was founded in 2001 as a company specializing in the production of onboard instrumentation for seafaring vessels. Starting in 2009, thanks to implementation of CAN bus protocols on all its products, Blink Marine began serving the industrial automotive and agricultural sectors as well.

Today, the onboard electronics sector enjoys one of the highest innovation rates in the world, with continuous contributions from designers, developers, and integrators for vehicles and seafaring vessels. Digital keypads amount to a radical transformation of the dashboard, making the operator's control panel more ordered and essential, as well as helping users manage complex actions in a simple, straightforward manner.

Blink Marine's approach to the sector focuses on maximum flexibility and reliability. Blink Marine keypads are highly customizable, allowing the company to respond to a wide range of needs that are often the result of unique and bespoke client requests.









### CUSTOMIZABLE ICON INSERTS

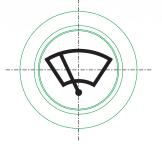
The replacement system for individual inserts makes designing and modifying layout of the keypads in the PKP-SI and PKP-LI series simpler and more economical. A selection of hundreds of different pre-existing keys can be viewed, and it is possible to order customized inserts.

An online set-up system makes it possible to select and design your own prototype, then order it directly on <u>blinkmarine.com</u>.





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# SCAN THE QR CODE AND TRY OUR ONLINE KEYPADS CONFIGURATION TOOL

Customize your own keypad by selecting model, icons and communication protocol. If you are not registered yet, you can request access directly to our support team writing an email to info@blinkgroup.com





Four small keys



65.00 mm - 2.56" 70.00 mm - 2.75"

94.50 mm - 3.72" 70.00 mm - 2.75"

Designed for even the harshest conditions, the PowerKey PRO withstands the cleaning force of pressure washers and holds on IP67 and IP69K rating, making them immune to waste, mud, soil, sand, oil, most chemicals and almost anything else thrown at it.



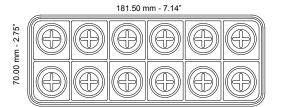
# RGB

# **EASY TO READ**

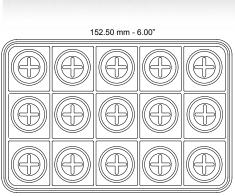
With simple Icons, large buttons and bright LED indicators, the PowerKey PRO can-bus keypad is easy to read in any situation. The multi-coloured LED status rings also allow you to set up to seven specific colours for specific functions.

















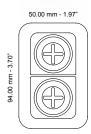


# PKP-LI SERIES FLEXIBLE, SMART, RUGGED

Like the PKP-SI series family, these large button models are designed for even the harshest of conditions for both internal and external applications.

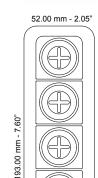










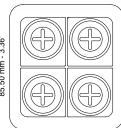






Four large keys

94.00 mm - 3.70"

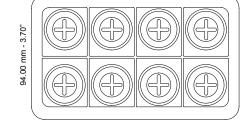






Eight large keys









# **POWERKEY PRO SERIES**

- Reconfigurable keys
   Relegendable buttons
   LED state & status

- Flush or front mount
   LED backlit icons

- Multi-colour indicator rings
   Laser etched icons
   ON/OFF, momentary,
   toggle & scroll
   Hundreds of stock icons to

- Periodic status transmission
  Heartbeat
  Event status transmission

- LED acknowledgement
   Address claim transmission
   CANopen and J1939

- Programmer's user manuals available to help support plug-and-play reconfigurability
- Supplied as fixed laser-etched icons





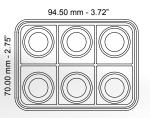
PKP-2300-SI-FR

Six small keys



PKP-2400-SI-FR

Eight small keys



123.50 mm - 4.86"

PKP-SI-FR FOR PRODUCTION VOLUME ORDERS

The inserts of the keypads in the PKP-SI-FR series are not removable. This makes them perfect for those who want to maintain the PKP aesthetic without the need to manage layout changes. The FR series also means a 35% increase in the surface area of the decal



Twelve small keys

181.50 mm - 7.14"





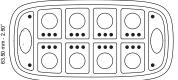




### PK1000

Available in three different layouts: 6, 8, 10 Keys





10 Keys



8 Keys



6 Keys

35



# PK SERIES

- Custom laser etched icons
  Multiple LED status indicators
  per function
  Low profile
  Compact
  Vertical or horizontal mount

- Overlay
  Laser Etch
  Pad Print
  LED backlit icons
  ON/OFF, momentary, toggle & scroll

- Change CAN keypad addresses independently
   Periodic Status transmission
   Heartbeat

   Change CAN keypad addresses
   Event status transmission
   LED acknowledgement
   Address claim transmission
   CANopen, J1939

Programmer's user manuals available to help support

plug-and-play reconfigurability
• Supplied as fixed laser-etched
icons

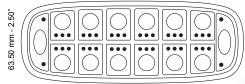


# PK1400

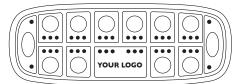
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Available in three different layouts: 10, 12, 14 Keys

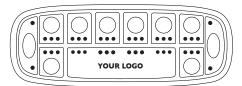
170.00 mm - 6.69"



14 Kevs



12 Keys



10 Keys





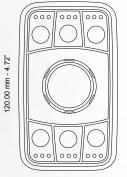






Together with the six quick-pick keys, the addition of a rotary push button knob makes it possible to manage complex scroll functions on the vehicles display system. PowerTrack boasts numerous personalization options, thanks in part to the flexible management of multi-colour LED's and the ability to mount either vertically or horizontally.

70.00 mm - 2.75"







# **EXPAND YOUR ONBOARD TECHNOLOGY**

KeyBox provides all the innovation of a Blink Marine technology without the cost and complexity of a larger digital system. It is designed for use primarily with vehicles or boats without the larger price tag of the more complex systems.

### ELECTRICAL FEATURES

- 13 switched circuits that include: • Momentary, toggle, and time-out
- Circuits rated up to 10 ampere at 12V and 5 ampere at 24V maximum continuous load (resistive)
- Isolated relay outputs
- Fuse protected circuits
- Input undervoltage lock down and overvoltage protection

### SPECIAL FEATURES

- CAN-bus compatible (CANopen)
   Online configurator tool available for field programmability of electrical

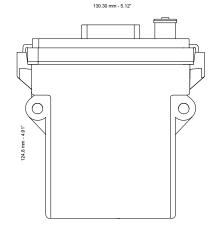


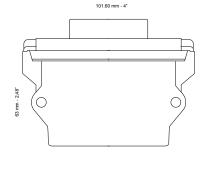
Compact and versatile; Keybox3 is a smart relay module for electric loads that permits the utilisation of Blink keypads where there are no PLC systems on board. Thanks to its CAN bus interface

and high power outputs, Keybox3 can also be used in "slave" mode with more complex systems.



Compact and versatile; PG8 is a gateway module designed to provide customers with additional, simple interface solutions: additional inputs (digital and analogue) and low power outputs. All while still enjoying all the benefits of CAN bus multiplex technology.







# A PERFECT DROP IN REPLACEMENT FOR OLD **GENERATION PC21 DMS**

PC21B is an all new power management enclosure designed and manufactured by Blink Marine. It can support up to 22 outputs, 15A each, in an IP67 enclosure. PC21B hardware is fully compatible with the previous generation of PC21 controllers (by DSS / DNA) installed on boats throughout the USA and distributed globally. This allows Blink Marine to design software 100% compatible with old DSS / DNA systems.

### **Electrical Features**

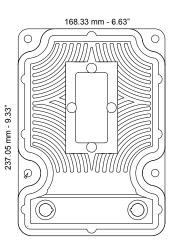
- 12V or 24V nominal input voltage
   150 Ampere total PME input current carrying capability
   22 switched circuits that include:
   Momentary, toggle and time-out

- Pulse-width modulation of output voltage for dimming
- Capability on 3 circuits
- 22 circuits, each rated up to 15A - 2 complete H-Bridge circuits for driving
- reversible motors

   Paralellable output increases
- Paraleilance output increases current rating
   An electronic circuit breaker protects every circuits. The current rate for each circuit can be set independently
   Remote reset of any output circuitry fault directly from the keypad
- Input undervoltage lock down



Deutsch DRC 10-40P-A004





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