

Digital Switching

PowerKey Pro 2400

(Part No. GPX-PKP2400)



NO BOUNDARIES.

Changing your layout? Changing your functions? Changing your mind? No problem.

The **PowerKey Pro 2400** reconfigurable keypad provides hassle free control and customisation literally at your fingertips.

The **PowerKey Pro 2400** is easily reconfigurable, readdressable and relegendable.

Requiring only a laptop or PC connection for reprogramming.

Its secure locking inserts can easily be interchanged to match the new configuration.

The Ultimate Human Interface Device

PowerKey Pro

BUILT TOUGH

Designed for even the harshest conditions, the PowerKey Pro withstands the cleaning force of pressure washers and holds an IP67/NEMA6 rating, making it virtually immune to water, mud, salt, sand, oil, chemicals or anything else thrown at it.

EASY TO READ

With simple icons, large buttons and bright LED indicators, the PowerKey Pro is easy to read in any situation. The multi-colored LED status rings also allow you to set specific colors for specific functions.



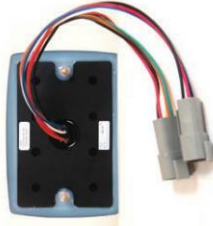
CUSTOMIZABLE INSERTS

Choose from over 100 stock inserts, or design your own, to customize your PowerKey Pro configuration.



UNIVERSAL PROTOCOLS

- NMEA 2000
- CANopen
- RS485
- J1939 / J1939-11
- SMARTCRAFT
- RVIA / RVC
- And more!



SIMPLE TO RECONFIGURE

Using only a simple software program, the PowerKey Pro can be reconfigured anywhere you have access to a PC.



FLEXIBLE MOUNTING

With two beveled edges, the PowerKey Pro can be back-mounted both vertically and horizontally, fitting any dash layout.



10th Anniversary
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Electric Co. Ltd.

www.googolplex.com.hk

POWERKEY PRO MODELS



PKP 2200



PKP 2400



PKP 2600

visit www.digitalswitchingsystems.com/powerkeypro to obtain dimensional drawings

TEST SPECIFICATIONS

Environmental Test	Standards Reference	Criteria
Operating Temperature High	SAE J1211 level 2	85° C, 24 hours
Operating Temperature Low	SAE J1211 level 2	-40° C, 4 hours
Storage Temperature High	SAE J1211	+85° C, 24 hours
Storage Temperature Low	SAE J1211	-40° C, 24 hours
Thermal Shock	IEC 60068 2-27	-40° to +72° C @ 4° C / Min
Humidity	Mil STD 202G	Test Method 104A
Solar Radiation	ASTM D4329	UVB 400 hours
Ingress Protection (Sand/Dust/Water)	IP67/NEMA6	1m/1 hour
Ignition Protection	SAE J1171	Protected Device
Salt Spray	ASTM B117	700 hours
Chemical Resistance (24-hr exposure)	N/A	DEET, Engine Cleaner, Isopropyl Alcohol, Suntan Lotion, Multi-Purpose Cleaner, Orange Citrus Cleaner
Chemical Resistance (1-min exposure)	N/A	Motor Oil, Gasoline (82 Octane)

Electromagnetic Compatibility	Standards Reference	Criteria
RF Radiated Emissions	EN 55011 B	30-1000 MHz
RF Conducted Emissions	IEC 60945	150 kHz - 30 MHz
Surge Immunity	EN 61000	+/-500V - 50 µs

Physical Tests	Standards Reference	Criteria
Mechanical Shock	IEC 60068 2-27	X,Y,Z 50Gs 11ms
Vibration	IEC 60068 2-6	X,Y,Z 10 - 150Hz 0.15mm amp
Switch Life	N/A	3 million operations

STANDARD FEATURES

- Reconfigurable keys
- Relegendable buttons
- LED state & status configurable
- Sealed (coated silicone rubber)
- Vertical or horizontal mount

- ON/OFF, momentary, toggle & scroll
- Over 100 stock icons to choose from
- Supply voltage: 12 - 24VDC

CUSTOM OPTIONS

Communication Protocols

- RS485
- CANopen
- J1939 / J1939-11
- SMARTCRAFT
- RVIA / RVC
- NMEA 2000
- And more

Accessories

- Configuration manager
- Connector
 - Deutch
 - Molex
 - Micro-C
 - And more
- Bezel

Insert Legends

- Overlay
- Laser Etch
- Pad Print
- Blank
 - Clear insert
 - Black insert
 - And more

HOW TO ORDER

Build your ultimate human interface device by following the simple part numbering template below and selecting the desired PowerKey Pro model and features. Detailed descriptions for each of the feature and accessory offerings can be found at www.digitalswitchingsystems.com.

NOTE: PowerKey Pro requires all controlled devices be powered with a distributed communication system.

If you have any questions, please contact your nearest support center found on the back of this brochure.

Keypad Series Model Number

P	K	P	-			0	0	-	
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Rows Columns

- Configuration
- 0 - CAN/J1939 with Flying Leads
 - 1 - CAN/J1939 with Deutsch Connector
 - 2 - CAN/J1939 with Deutsch Connector (Bootloader Only)
 - 3 - RS485 with Flying Leads
 - 4 - RS485 with Deutsch Connector
 - 5 - CAN/J1939 + RS485 with Flying Leads
 - 6 - CAN/J1939 + RS485 with Deutsch Connector
 - 7 - CAN/J1939 + RS485 with Deutsch Connector (Bootloader Only)

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by