Digital Switching

No Boundaries.

PowerKey Pro 2400

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.

(Part No. DSS-PKP2400)

STANDARD FEATURES

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

- Flush-mount or front-mount
- Snap dome positive tactile feedback
- LED backlit icons
- Multicolor indicator ring

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

CUSTOM OPTIONS

Communication Protocols

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

Accessories

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

Insert Legends

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

TEST SPECIFICATIONS

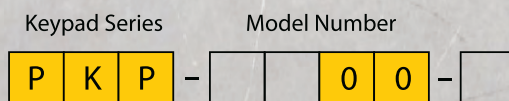| Environmental Test	Standards Reference	Criteria
Operating Temperature High	SAE J1211 level 2	85° C, 24 hours
Operating Temperature Low	SAE J1211 level 2	-40° C, 4 hours
Storage Temperature High	SAE J1211	+85° C, 24 hours
Storage Temperature Low	SAE J1211	-40° C, 24 hours
Thermal Shock	IEC 60068 2-27	-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	SAEJ1171	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

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.*

Keypad Series   Model Number

P K P – [ ][ ] 0 0 – [ ]

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]

*Specifications may change without notice.

DSSA
Digital Switching Systems Australia