

# 2400

## POWERKEY RELAY

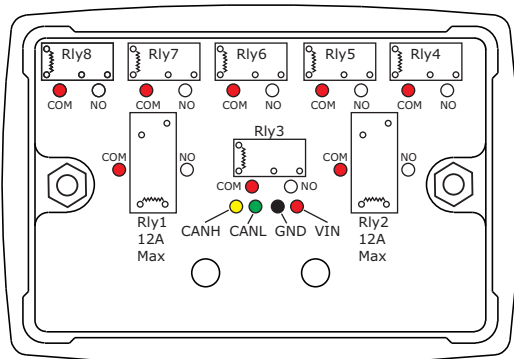
### STANDARD FEATURES

- Allows full control directly from the keypad without need for an additional controller
- Able to integrate vehicle CANbus
- 8 button fully sealed keypad
- Large 24mm diameter inserts
- 8 automotive relays (2 @ 12A max, 6 @10A max)
- Relays can be used as outputs or inputs
- Continuous total current is rated up to 50A max
- Simple connection via three Deutsch plugs
- Full RGB colour illumination for each key
- Buttons can be programmed for momentary, toggle or scroll functions
- Monitoring of relay contacts for visual fault indication
- Monitoring of load current through relay with 0.1A accuracy
- Programmable software logic can set for overcurrent or undercurrent conditions on individual relays
- Programmable software logic allows timers to cycle relays ON and OFF
- Programmable software logic allows sequencing where a single key press could trigger multiple relays
- Input voltage from 9-32VDC
- EMI/EMC tested

### SOFTWARE FEATURES & UPDATING

- 615UTC USB to CAN adapter (for programming/software updates)

### RELAY ARRANGEMENT



 Googolplex Electric Co.

## FLEXIBLE - SMART - RUGGED

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# SPECIFICATIONS

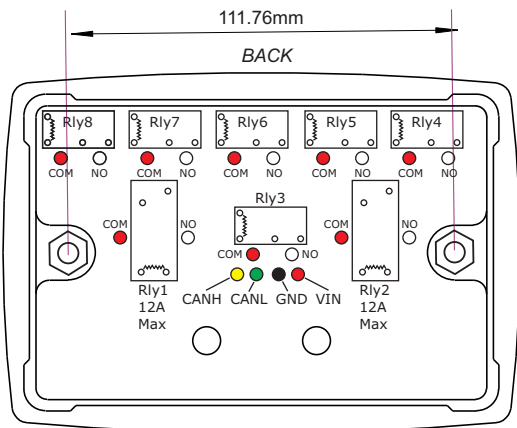
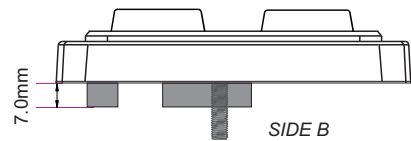
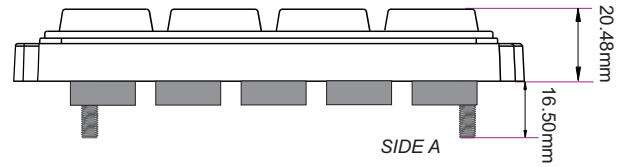
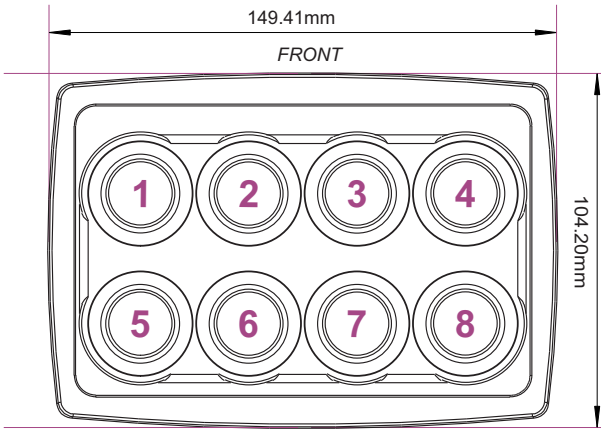
## ELECTRICAL

Supply Voltage	12/24 VDC Nominal (8-32VDC)
Standby Current	<50 mA
Communication BUS	Rs485, CANopen, J1939

## MECHANICAL

Connector	Deutsch DT04-4P, Molex 19418-0004, Micro-C and more
Switch Life	3 Million operations
Mechanical Shock	X, Y, Z 50Gs 11ms
Vibration	X, Y, Z 10 - 150Hz 0.15mm amp
Mounting Studs	#10-32 CDS-510 phosphor bronze, electroplated bright tin
Keypad	Silicone rubber with polyurethane hardcoat
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Thermal Shock	-40° to +72°C @4°C/Min
Humidity	0 to 98% (no condensation)
UV Protection / Salt Spray	UVB 400 hours / Per ASTM B117
Chemical Resistance	DEET, Engine Cleaner, Isopropyl Alcohol, Suntan Lotion, Multi-Purpose Cleaner, Orange Citrus Cleaner
Ingress Protection	IP67/NEMA6

# DIMENSIONS



### MOUNT ON A FLAT SURFACE ONLY

Part Number:	GEC-PKR2400
Weight:	455g
Nut Size*:	10-32 UNF S/S
Washer Sizes:	M5 Spring Washer S/S, M5 Flat Washer S/S
Torque Mounting Nuts:	7 +/- 1 in. lbs

**\* DO NOT USE NYLOC NUTS**

\* Diagrams are NOT to Scale