



Introducing the innovative POWERKEY RELAY 2400 Keypad. The PKR2400 is designed to allow full control directly from the keypad without the need for an additional controller.

Connection is made simple via three Deutsch plugs and buttons can easily be programmed for momentary, toggle or scroll functions.

Programming and software updates to the PKR2400 are made effortlessly through a 615UTC USB to CAN adapter.

The POWERKEY RELAY 2400 is able to intergrate vehicle CANbus allowing for enhanced functionality and flexibility, making it the ideal choice for all applications.

#### STANDARD FEATURES:

- Large 24mm Diameter Inserts
- Relegendable Buttons
- Full RGB Colour Illumination for each key
- Multicolour Indicator Rings
- LED Backlit Icons

# POWERKEY RELAY 2400

E5899 



## FLEXIBLE - SMART - RUGGED

 CANopen / J1939 / RS-485

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## FEATURES

- 8 button fully sealed keypad
- 8 automotive relays (2 @ 12A max, 6 @10A max)
- Continuous total current is rated up to 40A max
- Monitoring of relay contacts for visual fault indication
- Unused NO connections from relays can be used as active high inputs (active low would require an external pull up to positive battery reference)
- Monitoring of load current through relay with 0.1A accuracy
- Uses ESC firmware that allows custom C scripting of behaviours to run autonomously in keypad without need for an additional controller
- ECS scripting can set thresholds for over or low current conditions on individual relays
- ECS scripting allows timers to cycle relays ON & OFF at customisable rates
- ECS scripting allows sequencing where a single remote command or key press could trigger multiple relays
- Input voltage from 9-32 VDC
- EMI/EMC tested

## PIN-OUTS

DT04-4P



DT04-4P PIN-OUT

| Wire | Pin | W/Colour | Function |
|------|-----|----------|----------|
| W3   | 1   | GREEN    | VIN      |
| W4   | 2   | YELLOW   | GROUND   |
| W5   | 3   | BLACK    | CAN H    |
| W6   | 4   | RED      | CAN L    |

DT06-08SA



DT06-08SA PIN-OUT

| Wire | Pin | W/Colour | Function    |
|------|-----|----------|-------------|
| W17  | 1   | RED      | Relay 1 COM |
| W19  | 2   | RED      | Relay 1 COM |
| W23  | 3   | RED      | Relay 1 COM |
| W24  | 4   | RED      | Relay 1 COM |
| W22  | 5   | RED      | Relay 1 COM |
| W21  | 6   | RED      | Relay 1 COM |
| W29  | 7   | RED      | Relay 1 COM |
| W30  | 8   | RED      | Relay 1 COM |

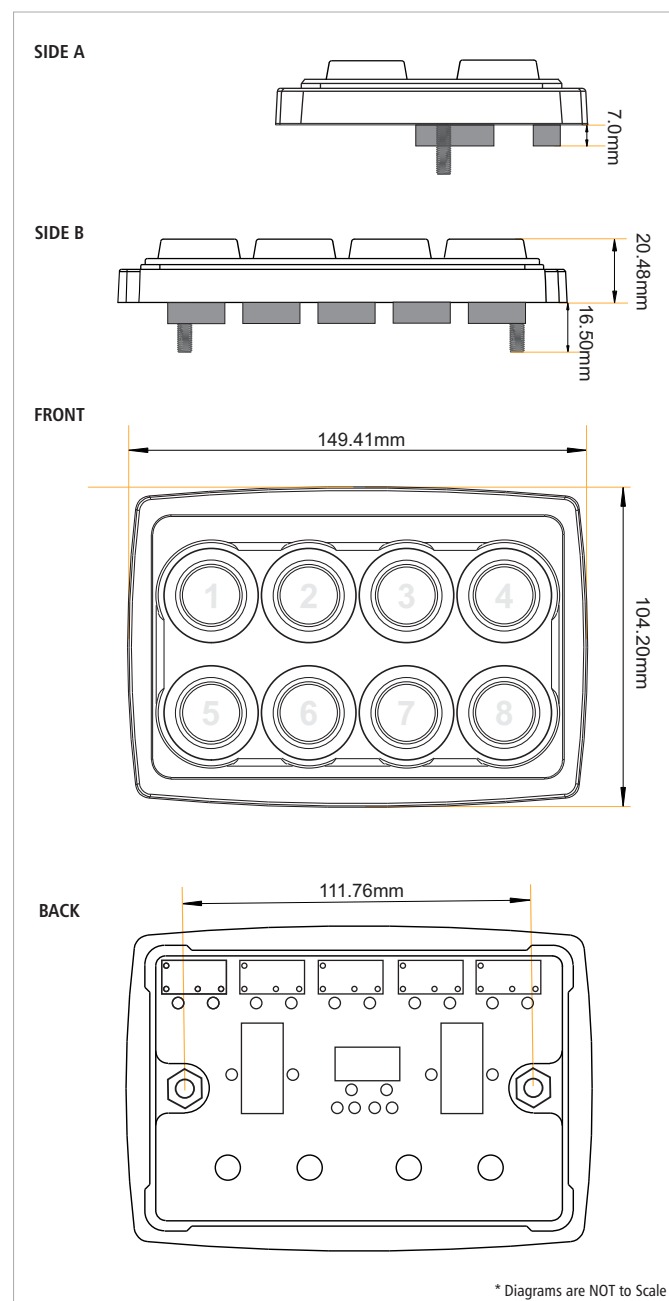
DT06-08SB



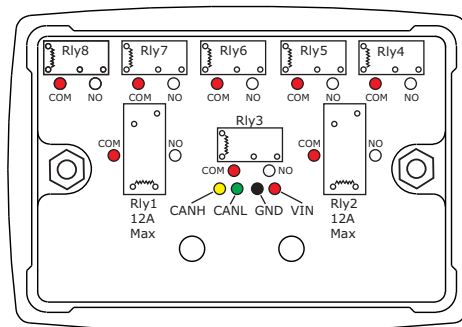
DT06-08SB PIN-OUT

| Wire | Pin | W/Colour | Function   |
|------|-----|----------|------------|
| W18  | 1   | BLUE     | Relay 1 NO |
| W20  | 2   | BLUE     | Relay 1 NO |
| W27  | 3   | BLUE     | Relay 1 NO |
| W28  | 4   | BLUE     | Relay 1 NO |
| W26  | 5   | BLUE     | Relay 1 NO |
| W25  | 6   | BLUE     | Relay 1 NO |
| W31  | 7   | BLUE     | Relay 1 NO |
| W32  | 8   | BLUE     | Relay 1 NO |

## DIMENSIONS



## RELAY ARRANGEMENT



MOUNT ON A FLAT SURFACE ONLY

|                 |  |
|-----------------|--|
| Part Number:    | DSS-PKR2400                              |
| Nut Size*:      | 10-32 UNF S/S                            |
| Washer Sizes:   | M5 Spring Washer S/S, M5 Flat Washer S/S |
| Torque Maximum: | 7 +/- 1 in. lbs                          |

\* DO NOT USE NYLOC NUTS