DPS TO BIG RED CONVERSIONS

DPS PART NUMBER	SUGGESTED REPLACEMENT
DPS-1202	LV5010
DPS-1202PP	LV5010K
DPS-2402	LV5011

	BIG RED		DPS PLUGS	
Not Available			C1 PIN 1	10 Sec. Delayed Off B- Negative output
Not Available			C1 PIN 2	"+" Battery Positive supply output
Not Used			C1 PIN 3	Emergency Stop Positive B+ Supply Input
Not Used			C1 PIN 4	Remote On B+ Input
Field Isolation N/O 10A max	1	←	C1 PIN 5	Field Isolation N/O
Field Isolation N/O 10A max	3	←	C1 PIN 6	Field Isolation N/O
Not Used			C1 PIN 7	Emergency Stop Positive B+ Supply Output
E-Stop & Roll Over Negative B- Output Supply	4	←	C2 PIN 1	E-Stop & Roll Over Negative B- Output Supply
E-Stop & Roll Over Negative B- Input Trigger	2	←	C2 PIN 2	E-Stop & Roll Over Negative B- Input Trigger
Roll Over B+ Output Supply	12	←	C2 PIN 3	Roll Over B+ Output Supply
Not Used			C2 PIN 4	Not Used
Not Used			C2 PIN 5	Not Used
LV5010K Double Positive Version	4	←	C2 PIN 6	Battery Negative DPS-1202PP only
Not Available			C1 PIN 7	Voltage Monitoring

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BIG RED **does not** have an optional delayed negative output [DPS C1-1]

BIG RED only has a negative output to control both the Roll Over switch and Emergency stop. This needs to be taken in consideration on any vehicle using C1-7 to control any external equipment or modules.

BIG RED **does not** have Voltage Monitoring capability [DPS C2-7]

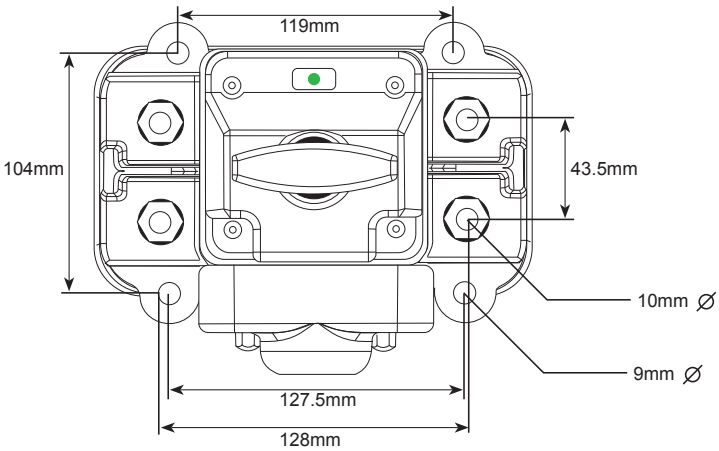
Terminal 12 provides an **unfused solid positive supply**—ensure appropriate circuit protection where necessary.

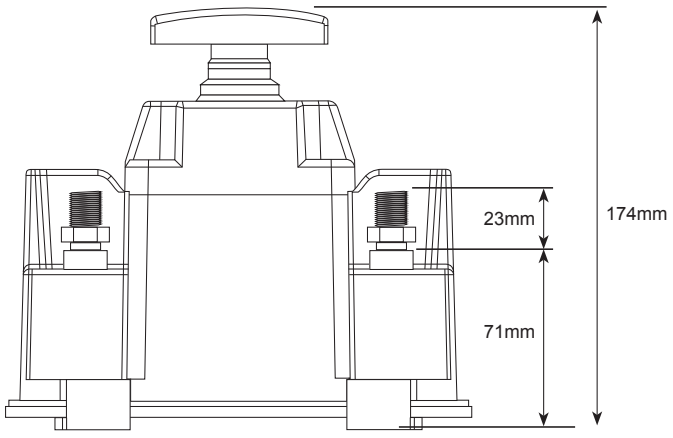
Excessive voltage drop across **pin 2 & 4** may cause poor solenoid activation and a current draw of up to 50 amps.

Pins 2 & 4 Minimum voltage threshold to pull in the coil for both 12V & 24V units: 12V Minimum voltage is 10.5V, 24V Minimum voltage is 19V.

Use an **adequate wiring gauge** based on the cable length between **cabin switches** and **emergency stop switches**.

EG: On a 12V system with a cable run exceeding **5 metres**, a **minimum 5mm (2.9mm²) cable** is recommended to prevent voltage drop and ensure proper operation.





These instructions are meant as general guide only. All final wiring configurations are the responsibility installer. All installations to be carried out by a qualified technician.