POD8

General

The splash-water protected power-off delay POD8 continues providing power (for a predefined period of about 2.5 minutes until about 25 minutes) when the ignition-on power is turned off. This is useful in data logger scenarios where power interruptions are undesirable, or which require an overshoot time, or for e. g. certain GPS receivers which have a long restart period after a power-off peak.

Figure 1: Power off delay POD8.

LED

Permanent green light: The ignition-on power is turned on.

Green blinking light: The ignition-on power is turned off, and the power-off time is in its first 78 % of the delay time.

Red blinking light: The ignition on power is turned off, and the power-off time is in the last 22 % of the delay time.

Blinking frequency: Proportional to the total delay time.

Button

Short keystroke: Output voltage is turned off.

Long keystroke: Output voltage is turned on.

Pin Assignment

The 5-pin plug is of type AMP Superseal:

Pin	Assignment
1	Permanent 8...32 V DC supply with max. 3 A current (clamp 30)
2	Ground (clamp 31)
3	Ignition-on 8...32 V DC supply (clamp 15)
4	Power-off delayed output voltage (voltage drop is about 1 V of the permanent supply)
5	Plus side of an optional decoupling capacitor

Technical Data

Box dimensions:	48 mm x 33 mm x 8 mm
Typical weight:	39 g
Minimal delay time:	2.5 min ± 15 %
Maximal delay time:	25 min ± 15 %
Power supply:	8...32 V DC
Max. power current:	3 A
Water protection:	Splash-water protected