



figure 1

User's Guide

To change the on-off state:

1. Short the two 'PY' pads together and hold for 2 seconds. (See figure 1)
2. The state will change and the setting will be stored.
3. The LED will flash 3 times.

To change the set point:

1. Set the receiver channel at the desired switch point.
2. Short the two 'SP' pads together and hold for 2 seconds. (See figure 1)
3. The new set point will be stored.
4. The LED will flash 3 times.

To lengthen the glow time:

Short the two 'TM' pads together and the two 'SP' pads together at the same time and hold for 2 seconds. (See figure 1)

To shorten the glow time:

Short the two 'TM' pads together and the two 'PY' pads together at the same time and hold for 2 seconds. (See figure 1)

To set the glow time to the default value of 30 seconds:

Short the two 'TM' pads together and hold for 2 seconds. (See figure 1)

The new glow time setting will be indicated by the number of slow flashes of the LED. The LED will flash slowly once for each 15 seconds. Directly after that the LED will flash quickly 3 times to indicate the storage of the new value. All new settings will be stored in permanent memory and will remain in force even if the power is removed. A small piece of aluminum foil makes a good shorting tool. There is no danger in shorting two or all of the pad pairs together during settings adjustments.

The unit can also be used with 2 glow plugs in series and two batteries in series at 1.4 – 3 volts for motors with two cylinders. Connect the two glow plug leads to the two glow plugs in this configuration and make no connection to the motor case. The same configuration can be used with two motors if the motor cases are connected together.
Note: In this configuration separate control of the two glow plugs is not possible.

Other types of DC devices of up to 20 VDC at 4.5 AMPS can also be switched.

Specifications

Name	Digital Glow Driver
Part nr.	1037
Hardware rev	2.2
Firmware rev	2.2
Control Voltage	3.5V – 5,5V
Switching Capacity	4,5A 20V
Switching Channels	1
Control Signal	1.25V – 5V pulse
Weight	17 gm
Cable Length	29 cm
Glow Time Setting Increment	15 seconds
Glow Time Setting Range	15 seconds to 64 minutes
High Current Switching	Opto isolated
On Resistance	100 mΩ