

Digital Switch System FT1020

- *8 Bit Pic Microcontroller
- *Lipoly or Ni-Mh/Ni-CAD input
- *20 volt 20 amp Mos-Fet output
- *DSP Noise / Loss of Signal filtering
- *PPM-PCM 2048 - 1024 Input
- *Universal receiver connector
- *Small size 12-Grams
- *100% surface mount
- *Low voltage drop less then 150mV
- *20 Ga heavy silicon wires
- *Ideal for smoke pump or Night flying systems



MPI Hobby
815 Oakwood Rd, Unit D
Lake Zurich, IL 60047
www.mpihobby.com

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Introduction

Congratulations on your purchase of the MPI Digital Switch System. It is designed to give you in-flight control of motors (smoke pump), lighting systems and even glow plug driver.

- Built in noise canceling circuit > 100db
- Small size (smallest in market class).
- 20 GA silicon Heavy Duty wires. No connectors.
- Li-Po / Li-ion / Nimh / Nicad / LiFe supply compatible.
- Increased voltage output compared to similar devices.

Installation

- Mount near the supply battery or motor to be controlled, support it firmly to the airplane structure. Note: It is not recommended to use the same battery as the receiver.
- Install the input and output.

These can be soldered directly or use your choice of connectors. Caution to make sure connectors are rated for more than the maximum current your load requires.

- Connect the signal lead (universal RC connector) to a receiver port. Make sure this port is associated with a toggle switch on the transmitter. This port supplies power for the signal processor only. Maximum control voltage is 6.8 volts.

Operation & Cautions

- Caution, make sure to follow polarity, Red = + and Black = -
- Always test before flying.
- The transmitter control must be a toggle switch.
- **Do not use in a system requiring more current than the unit is rated for.**

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