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TOURATECH **Power converters**

part# 030-0020
(12v)
and [030-0021](#) (15v)



Use these suggestions at your own risk.

- These instructions are new and have not been tested by independent installers.
- The instructions are not complete. For photos please refer to printed german instructions (until we get more photos online....sorry). These pictures assist the german instructions.
- Touratech and Touratech-USA assume no responsibility for errors using these suggestions.

If you have any doubts about your ability to install this device, please contact a professional installer.

Synopsis

The Power converter will convert almost any input voltage to 12 or 15vDC for the purpose of operating small electric devices on motorcycle power. The power available is about 2.4 watts (very little).

The 12v model provides more current (200mA) and is designed to supply power to motorized roadbooks. (roll-chart).

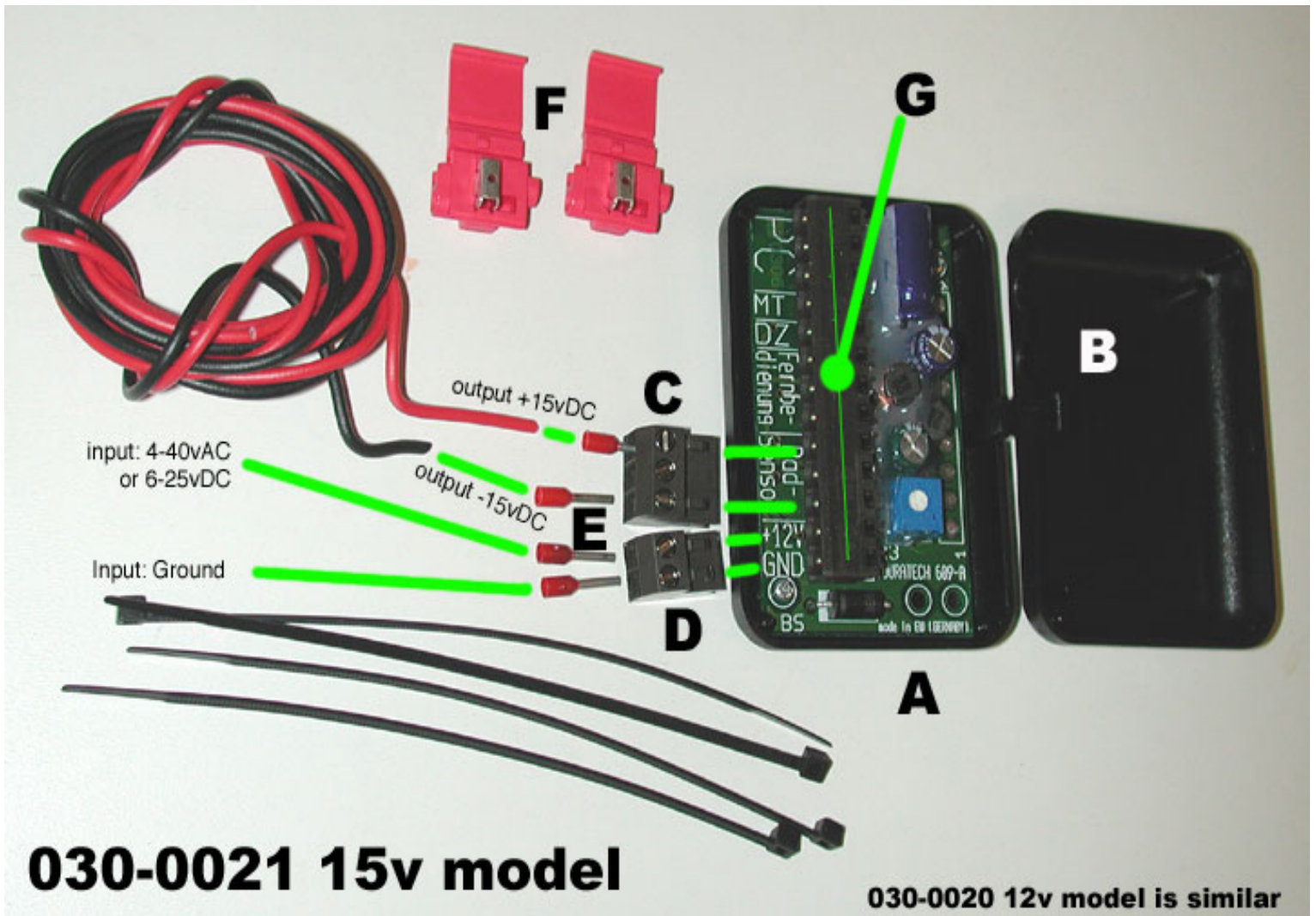
The 15v model provides less current (160mA) but higher voltage to power devices such as GPS (or perhaps charge a small battery).

Some more info can be found on the [CycoActive website](#).

- 1) Attach** input to motorcycle power (for example the headlight wires on a dirt bike or snowmobile).
- 2) Attach** DC output to the device to be powered such as a GPS or small battery circuit.

Suggestion: see <http://www.power-sonic.com> for PS1208 battery.

030-0020 and 030-0021 Power converters



030-0021 15v model

030-0020 12v model is similar

Parts:

- A - Power converter circuit
- B - cover for "A"
- C - Output connector (12v or 15v DC)
- D - INPUT connector (AC or DC)
- E - qty:4 cable terminal ends
- F - qty:2 "Scotchlock" wire taps
- G - A terminal block. Connector C slides into this block at "RAD-SENSOR". Connector D attaches to "+12V GRND". The other positions are not used.

plus - qty:4 cable-ties and a coil of wire

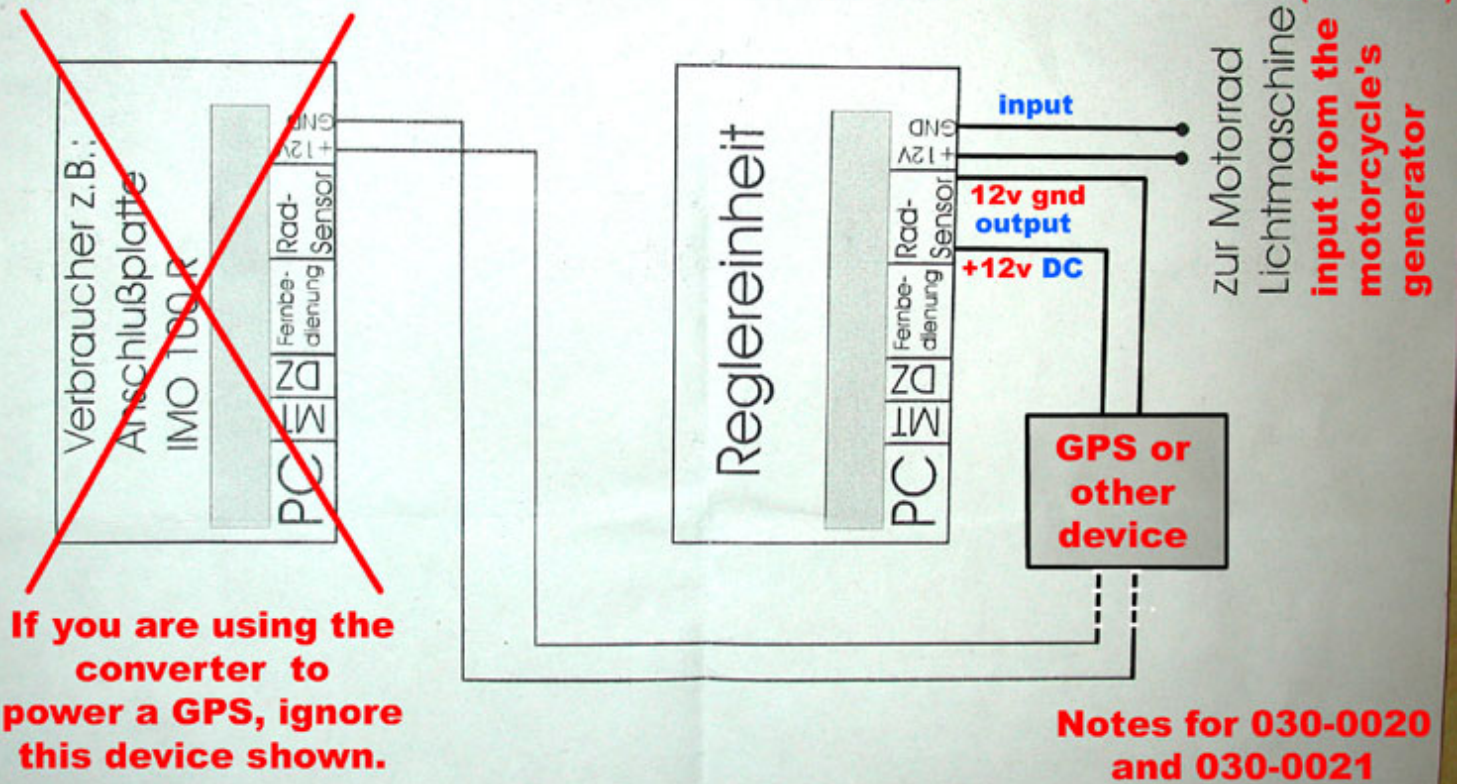
Two of the three terminals labeled "RAD sensor" are used for DC output. Please ignore the definition of "**RAD sensor**". This power conversion device is adapted from an electronic speedometer / instrument.

A photo of the GERMAN schematic is included below, with translations to english and other notes.

To use terminal ends (E) strip the insulation from the wire and insert into terminal end, then use the screw in connectors (C) and (D) to crush the terminal ends. Connectors (C) and (D) attach to the circuitboard as indicated by the green lines.

Photo of schematic with english translations and notes.

- max. 40 V Gleichspannung **AC input max 40V AC**
- max. 25 V Wechselspannung **or DC input max 25V DC**
- Verbraucher max. 200 mA **12v current max 200mA (030-0020)**
15v current max 160mA (030-0021)



http://www.touratech-usa.com/instl/instl_030-0020.html