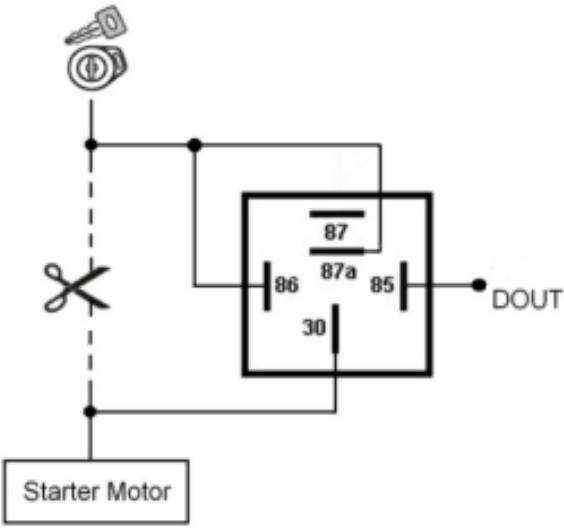# FMA204 Accessories

[Main Page](#) > [EOL Products](#) > [FMA204](#) > [FMA204 Manual](#) > **FMA204 Accessories**

 Please order accessories separately as they are not included into device package.

Accessory and its description	Accessory connection schematic
Fuel tank sensors A fuel tank level sensor which indicates the approximate fuel level on the driver's indicator panel exists in most cars. If the sensor returns analogue signal proportional to fuel level it can be connected to FMA204 Analog input. After connection to the tank fuel level sensor a calibration is needed because most fuel tank sensors are not linear. Calibration is performed by measuring voltage values resulting from the volume of fuel in tank.	**Fuel sensor connection to FMA204**
Alarm buttons, door sensors etc. Alarm buttons, door sensors, ignition, etc. have two output states: high or low. FMA204 Digital inputs are used to detect these states.	**Panic button connection to FMA204**
Relays In cases when sensor output signal is negative, an additional relay has to be installed to convert negative signal to positive.	**Inverting relay connection to FMA204**
Immobilizer relay When connected as shown on the right hand side, FMA204 disables engine starter when output is ON.	**Immobilizer relay connection to FMA204 output**
Automotive relay An ordinary automotive relay is used to invert input signal or to immobilize engine starter. Note that relays can be 12 V or 24 V capable. 	**Automotive relay pinout**
1-Wire devices	**Digital thermometer DS1820 and TTJ100 connection to FMA204**

One of the implemented features on FMA204 is 1-Wire® data protocol, which enables connection to devices such as thermometer (DS1820, DS18S20 and DS18B20) and I-Button types: DS1990, DS1991, DS1994, DS1993, DS1992, DS1982, DS1995, DS1985, DS1996, DS1986, DS1971, DS1963L, DS1921, DS1973, DS1904, DS1972, DS1977, DS2413, DS1922/1923, DS1990A, DS1982U, DS1985U, DS1986U.

TTJ sensor pinout

I-Button DS1990A connection to FMA204