

WIF Sensor Products

The **Water in Fuel Sensor** or WIF sensor indicates the presence of water in the fuel. WIF Sensors react when the water level in the water separator reaches the warning level. The WIF sensor will send an electrical signal to the ECU or the dashboard. The WIF is used especially in the Common Rail engines to avoid the unit injector damage.

Group Dekko manufactures WIF sensors with or without harnesses:

Passive – 5 to 50 VDC or VAC

Digital - 5 to 30 VDC

- Compact PCB design that contains the necessary electrical components onboard to signal water in diesel fuel
- Short Circuit and Polarity Reversal protection



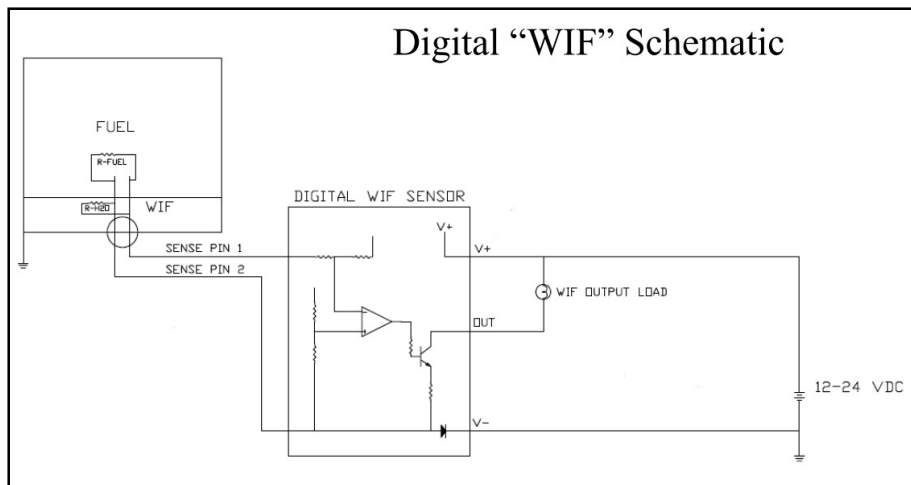
Water In Fuel (WIF) Sensor



Mating Pocket for PCB

For more information, contact our WIF Sensor experts via dekko.com

Typical Digital WIF Sensor Solution



Not for production

Operating Function:

The on indicator will turn on when the sense pins resistance is less than 81K ohms.

When switching from "Water in fuel" to "No Water In Fuel" the resistance between sense pins will typically be greater than 207 ohms.

Electrical Ratings:

- Voltage rating: 6-28 VDC
- Typical rating @125 degree C
- Water in fuel V out = 0.5 VDC @ 25 mA
- No water in fuel "open collector"

Benefits:

- Short Circuit protection
- Polarity reversal
- Output on for 2-4 seconds at initial power up.
- Digital signal
- No ECU development for customer

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