



Donaldson Delivers

## WATER IN FUEL SENSOR LED DISPLAY KIT

Designed to detect the presence of water in diesel fuel water separating filters

### CLEANLINESS IS CRITICAL

# A small amount of contamination can severely damage your engine.

Water is one of the most harmful contaminants found in fuel, especially in sensitive common rail systems, making a Fuel Water Separating Filter an essential component of a modern diesel engine fuel system

Donaldson's Water in Fuel Sensor & Display Kit is designed to give a visual warning for when separated water is present in the filter and needs to be drained.

The kit contains a drain valve with electrical plug, wiring loom and a dash mount LED display.



#### FEATURES & BENEFITS

- Detects separated water in both filter and water collection bowl
- Adjustable LED display brightness
- Easy 1/4 turn valve to drain water
- Automatic display reset after water is drained
- Can be used with any Donaldson Twist&Drain™ fuel filters



**PERFORMANCE**  
FULL FLOW - HIGH EFFICIENCY - LONG LIFE

**QUALITY**  
HEAVY-DUTY AND BUILT TO LAST

**RELIABILITY**  
MEETS OR EXCEEDS OEM SPECIFICATIONS



## Part No: **X220112**

Kit Contents	Qty
Sensor Wire Harness Connector*	1
Twist&Drain™ Valve & Sensor	1
Filter Minder® LED Display	1
Mounting Screws	2
Instruction Card	1

\*Additional 18 AWG / 1mm<sup>2</sup> wire may be required depending on application.

### SPECIFICATIONS

- Power supply 6V to 30V DC, ignition activated circuit
- Fuse max 10AMP
- Display 66.3mm (w) x 50mm (h) x 15.4mm (d)
- Mounting holes 57.9mm apart
- Hole sizes for wires 12.7mm



### LED FUNCTIONALITY

Condition	Indication	Action
Single LED On	Normal Operation	N/A
All LEDs on, Top LED Flashing	Water Detected	Drain water from fuel system
All LEDs Flash in Unison	Error Detected	Check for abrasion or a pinched wire (short circuit) Check for a break in the wiring (open circuit) Check that the correct WIF sensor is installed
LEDs Appear to be Off	System Off or Brightness Set to Off	Press Reset button to turn off dimmer Check for power and ground
All Other Conditions	Diagnostics or System Error	Press and release the Reset button or turn power off and back on

The most comprehensive online site for searching filters and parts for your application.  
[shop.donaldson.com](http://shop.donaldson.com)



**Donaldson Australasia Pty Ltd**  
 PO Box 153, Wyong NSW 2259

**Freecall: 1800 345 837**  
 Ph: +61 2 4350 2000  
 Fax: +61 2 4351 2036

**Donaldson New Zealand**  
 PO Box 14-770, Panmure 1741 Auckland

Ph: +64 9 579 2790  
 Fax: +64 9 579 0322

[www.donaldson.com](http://www.donaldson.com)

**Brochure No. F111646 Water In Fuel Sensor LED Display Kit (03/2020)**

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