Racor offers a wide selection of water in fuel (WIF) sensors, each designed for use with particular models and installation requirements.

These sensors are available in various configurations to fit every Racor fuel filter/water separator.

The water sensor is a component in the water detection system and works with CPU controlled systems (Multiplex units must use one sensor for each collection bowl).

The RK 30880 & RK 30880-03 models feature full built-in water detection capability and operate from 12 or 24 vdc.

These all-in-one WIF sensor have a self-diagnosis feature at each initial power up. The yellow wire sends a 1 to 2 second ground (-) signal to power a lamp or trigger a relay (<1 amp, max.)

The units will automatically reset once the water is drained away from the water sensor tips. Wiring instructions are supplied with each water detection module.

All Racor water sensors are 100% electrically tested and hermetically sealed to keep out moisture and fuel. 1/2-20" threads with the SAE J1926 o-ring seal design.

---

### Water-in-Fuel (WIF) Sensors

<table>
<thead>
<tr>
<th>Specifications</th>
<th>RK32262-02</th>
<th>RK 55484</th>
<th>RK 56140</th>
<th>RK56140-01</th>
<th>RK 30880</th>
<th>RK30880-03</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mating Connector</strong></td>
<td>None</td>
<td>Delphi Packard 12162000</td>
<td>Delphi Packard 12162000</td>
<td>Delphi Packard 12162000</td>
<td>Racor 22556</td>
<td>Yazaki 7283-7031-10</td>
</tr>
<tr>
<td><strong>Volts</strong></td>
<td>12</td>
<td>12/24</td>
<td>12</td>
<td>12</td>
<td>12/24</td>
<td>12/24</td>
</tr>
<tr>
<td><strong>Probe Tips</strong></td>
<td>Beryllium Copper</td>
<td>Gold Plated Nickel</td>
<td>Beryllium Copper</td>
<td>Beryllium Copper</td>
<td>Beryllium Copper</td>
<td>Beryllium Copper</td>
</tr>
<tr>
<td><strong>Internal Resistor</strong></td>
<td>83K ohm</td>
<td>220K ohm</td>
<td>220K ohm</td>
<td>220K ohm</td>
<td>Amplifier</td>
<td>Amplifier</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>6 in. (15 cm)</td>
<td>6 in. (15 cm)</td>
<td>4 in. (10 cm)</td>
<td>5 in. (13 cm)</td>
<td>5 in. (13 cm)</td>
<td>5 in. (13 cm)</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Cummins ‘ess’ ISC03/ISL03</td>
<td>Cummins John Deere</td>
<td>John Deere</td>
<td>Volvo, Freightliner</td>
<td>Hino</td>
<td></td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>To Ground</td>
<td>To Ground</td>
</tr>
</tbody>
</table>
# Specifications

<table>
<thead>
<tr>
<th>Mating Connector</th>
<th>RK32262-02</th>
<th>RK 55484</th>
<th>RK 56140</th>
<th>RK56140-01</th>
<th>RK 30880</th>
<th>RK30880-03</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Racor 22556</td>
<td>Racor 22556</td>
<td>Racor 22556</td>
<td>Racor 22556</td>
<td>Racor 22556</td>
<td>Yazaki 7283-7031-10</td>
</tr>
</tbody>
</table>

| Wire Length (L) | 7.0 in. (17.8 cm) | 8.0 in. (20.3 cm) | 6.0 in. (15.2 cm) | 6.0 in. (15.2 cm) | 8.0 in. (20.3 cm) | 11.0 in. (27.9 cm) |

![Diagram of connectors with dimensions and wire lengths.](image)