Reliable sensing of clear materials.
High frequency acoustic emitter and tuned receiver are ideal for sensing under bright lighting and for reliably detecting clear materials such as glass. They operate from 12-30 V dc with current-sinking (NPN) or current-sourcing (PNP) complementary outputs to interface with a wide variety of loads.

Dual ranges & response times.
Choice of two ranges and two response times in the same units for the ultimate in versatility. Choose a response time of 2 ms and range of 60 cm (24 in) for longer ranges or simply reverse the polarity and achieve ultra-fast response of 1 ms with a range of 30 cm (12 in) for high speed applications such as counting.

Popular patented housing.
T-style right-angle sensor package with 18 mm threaded mounting hub allows more versatile mounting utilizing less space. Measures only 40 mm (1 1/2 in) in diameter and 30 mm (1 3/16 in) deep. Choose 4-pin euro-type quick disconnect for fast changeout, or prewired units.
T18U Sensor Models

<table>
<thead>
<tr>
<th>Models*</th>
<th>Type</th>
<th>Range</th>
<th>Cable**</th>
<th>Supply Voltage</th>
<th>Output Type</th>
<th>Response Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>T186UE</td>
<td>Emitter</td>
<td>Normal sensitivity: 600 mm (24&quot;)</td>
<td>2 m (6.5&quot;) 4-pin Euro QD</td>
<td>12 to 30V dc</td>
<td>–</td>
<td>Normal sensitivity: 2 milliseconds</td>
</tr>
<tr>
<td>T186UEQ</td>
<td></td>
<td>High sensitivity: 300 mm (12&quot;)</td>
<td>2 m (6.5&quot;) 4-pin Euro QD</td>
<td></td>
<td>Complementary NPN</td>
<td>High sensitivity: 1 millisecond</td>
</tr>
<tr>
<td>T18VN6UR</td>
<td>Receiver</td>
<td></td>
<td></td>
<td></td>
<td>Complementary PNP</td>
<td></td>
</tr>
<tr>
<td>T18VN6URQ</td>
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<td>T18VP6UR</td>
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<td>T18VP6URQ</td>
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</tbody>
</table>

* Sensor pair requires one emitter and one receiver.
** 9 m (30') cables available by adding suffix “W/30” to the model number of any cabled sensor. A model with a QD connector requires a mating cable (page 36).

T18U Specifications

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Response speed</td>
<td>1 ms or 2 ms, depending wiring configuration</td>
</tr>
<tr>
<td>Environmental rating</td>
<td>IP67, NEMA 6P</td>
</tr>
<tr>
<td>Data sheet reference</td>
<td>Download at <a href="http://www.baneng.com">www.baneng.com</a> 40124</td>
</tr>
</tbody>
</table>

** T18U Sensor with Cable Attached

- Jam Nut (Supplied)
- M18 x 1 Thread
- ø 15 mm (0.59 in)
- ø 40.0 mm (1.57 in)
- 30.0 mm (1.18 in)
- Yellow LED
- Signal Strength Indicator (Receiver, Only)
- Green LED
- Power Indicator
- ø 40.0 mm (1.57 in)
- 51.5 mm (2.03 in)
- 30.0 mm (1.18 in)
- ø 15 mm (0.59 in)
- 66.5 mm (2.62 in)

** T18U Sensor with Euro-Style QD

- Jam Nut (Supplied)
- M18 x 1 Thread
- ø 15 mm (0.59 in)
- ø 40.0 mm (1.57 in)
- ø 15 mm (0.59 in)
- ø 40.0 mm (1.57 in)
- ø 40.0 mm (1.57 in)
- ø 15 mm (0.59 in)
- ø 40.0 mm (1.57 in)
- ø 15 mm (0.59 in)