R58 Series Expert™ Register Mark Sensors
Registration Mark Sensor with Three-Color Light Source
February 2006

<table>
<thead>
<tr>
<th>Model</th>
<th>Cable</th>
<th>Focus</th>
<th>Supply Voltage</th>
<th>Output Type</th>
<th>Sensing Image Orientation</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R58ECRGB1</td>
<td>5-wire 2 m (6.5')</td>
<td></td>
<td>10 to 30V dc</td>
<td>Bipolar NPN/PNP</td>
<td>Parallel to sensor length</td>
<td>$239</td>
</tr>
<tr>
<td>R58ECRGB1Q</td>
<td>5-pin Euro-style QD pigtail</td>
<td>10 mm (0.39&quot;)</td>
<td></td>
<td></td>
<td>Parallel to sensor length</td>
<td>$239</td>
</tr>
<tr>
<td>R58ECRGB2</td>
<td>5-wire 2 m (6.5')</td>
<td></td>
<td></td>
<td></td>
<td>Perpendicular to sensor length</td>
<td>$239</td>
</tr>
<tr>
<td>R58ECRGB2Q</td>
<td>5-pin Euro-style QD pigtail</td>
<td></td>
<td></td>
<td></td>
<td>Perpendicular to sensor length</td>
<td>$239</td>
</tr>
</tbody>
</table>

* 9 m cables are available by adding suffix "W/30" to the model number of any cabled sensor (e.g., R58ECRGB1 W/30).
A model with a QD connector requires a mating cable.

**Development Strategy**

Claim new and retrofit register mark sensor business by creating a single sensor with red, green, and blue emitter LEDs for optimum application contrast during TEACH. Improve upon overall look and quality of R55, and stay below competitor prices.

**Features**

- Sensor automatically selects red, green, or blue LED during TEACH
- Outstanding color contrast sensitivity; detects 16 levels of gray scale
- Static and Dynamic TEACH plus manual adjustment for fine tuning
- Ultra-fast 10 kHz switching frequency
- Suitable for food processing applications; rated IP67, NEMA 6
- LO / DO operation, 30 ms pulse stretcher (OFF-delay), and 30 ms ON-delay
- Ultra-fast warmup and excellent temperature stability

**Applications**

- Web registration
- Tube filler registration
- Form/fill/seal (e.g., form sugar packets, fill 12 at a time, seal)
- Material cut registration

**Links and Sales Tools**

**Literature**

- R58 Series Expert™ Register Mark Sensors Data Sheet p/n 122928
- R58 Field Guide COMING SOON

**PowerPoint Presentation**

- Intro to the R58

**Demo Kit**

- Retro-fit your existing R55 Kit IF YOU HAVE ONE.
  NOTE: Use R58 Model R58ECRGB2Q to retro-fit the R55 Kit. The R55 is no longer in production and cannot be ordered.

**Desktop Publishing (DTP)**

- Customer Handout
- Photoelectric DTP Tools

**Competition**

- Sick - KT5W
- SunX - LX-100
- DataSensor - TLM-11
- Banner - R55E