### Assumptions for using laser
(4: FGS2 threshold)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light ON</td>
<td>ON when exceeds the threshold</td>
<td>Light when ON</td>
</tr>
<tr>
<td>Dark ON</td>
<td>ON when less than the threshold</td>
<td>Dark when ON</td>
</tr>
</tbody>
</table>

### Specifications

#### Setup

- **Teach mode**
  - 1. Read out "Sampling period"  
  - 2. Write setting
  - 3. Write A1h
  - 4. Read 00h 00h
  - 5. Read 00h 02h
  - 6. Write 11h
  - 7. Write B0h 02h
  - 8. Write 40h 0Ah
  - 9. Write FA24h
  - 10. Read 40h 0Ah
  - 11. Read 00h 00h
  - 12. Read 00h 02h

- **Teaching FGS2**
  - Write 11h

#### Teach mode

- 1. Measurement range: ±5mm
- 2. ±15mm
- 3. ±50mm
- 4. ±50mm

### Setup mode

- **Threshold**
  - 1 point teaching
  - 2 point teaching
  - 3 point teaching

### Measurement mode

- **Data Transmission**
  - STX (02h) ACK (06h) 00h 00h ETX (03h)

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**Instructions for use:**

- **Hold and Clamp**
  - Use with default setting when changing parameters is not

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**Technical Specifications**

- **Sampling period**
  - Laser OFF
  - Laser ON

- **Output polarity**
  - Default: CD22-100

- **Teaching mode**
  - FGS2

- **Threshold**
  - Near side threshold
  - Far side threshold

- **Teaching**
  - While Key lock is activated, it will be released by pressing

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**Materials:**

- M3 x 15 2 pieces

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**Contact Information:**

- Ramco National - Optex FA Sensors
- www.Optex-Ramco.com
- Got Questions? 1-800-280-6933