

# Inductive Sensors



| Housing Style   | Part Number           | ID Number | Features     | Sensing Range (mm) | Output                                |                                       |
|---|-----------------------|-----------|--------------|--------------------|---------------------------------------|---------------------------------------|
| <b>30 mm - Embeddable, Potted-In Cable</b><br>                | Bi10-G30K-AD4X        | T4670695  | Short Barrel | 10                 | 2-Wire DC                             |                                       |
|   | Bi10-G30K-AN6X        | T4671600  | Short Barrel | 10                 | 3-Wire DC NPN                         |                                       |
|   | Bi10-G30K-AP6X        | T4670600  | Short Barrel | 10                 | 3-Wire DC PNP                         |                                       |
|   | Bi15-G30K-AP6X        | T4207300  | Short Barrel | 15                 |                                       |                                       |
|   | Bi10-G30-Y0           | T1006200  | Short Barrel | 10                 | 2-Wire DC NAMUR                       |                                       |
|   | Bi10-G30-Y0X          | T4020000  | Short Barrel | 10                 |                                       |                                       |
| Bi10-G30-Y0X/S90  | T4617691              |           | 10           |                    |                                       |                                       |
| <b>30 mm - Embeddable, Potted-In Cable</b><br>                | Bi10-G30-AN6X         | T4647500  |              | 10                 | 3-Wire DC NPN                         |                                       |
|   | Bi10-G30-AN7X         | T1714800  |              | 10                 |                                       |                                       |
|   | Bi10-G30-AP6X         | T4647400  |              |                    | 10                                    | 3-Wire DC PNP                         |
|   | Bi10-EG30-ADZ30X2     | T4256095  |              |                    | 10                                    | 2-Wire AC/DC Short-Circuit Protection |
|   | Bi10-G30-ADZ30X2      | T4207000  |              |                    | 10                                    |                                       |
|   | Bi15-G30-ADZ30X2      | T4207200  |              |                    | 15                                    |                                       |
| Bi10-EG30-AZ3X  | T4345699              |           |              | 10                 | 2-Wire AC/DC                          |                                       |
| Bi10-G30-AZ3X   | T4345400              |           |              | 10                 |                                       |                                       |
| <b>30 mm - Embeddable, Potted-In Cable, Teflon Coated</b><br> | Bi10-GT30-ADZ30X2/S34 | T4256000  | WFI          | 10                 | 2-Wire AC/DC Short-Circuit Protection |                                       |

For detailed sensor specifications see Section M.  
 Normally Closed versions available upon request, consult factory.



| Voltage                  | Switching Freq. (Hz) | Operating Current (mA) AC/DC | Operating Temp. (°C) | Protection | Housing | Face  | End Cap | Power LED | Output LED | Cable Length/ Cable Mat. | Wiring Diagram # | Wiring Diagrams      |
|--------------------------|----------------------|------------------------------|----------------------|------------|---------|-------|---------|-----------|------------|--------------------------|------------------|----------------------|
| 10-65 VDC                | 500                  | ≤100                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 1                | <b>Diagram 1</b><br> |
| 10-30 VDC                | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 2                |                      |
| 10-30 VDC                | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 3                | <b>Diagram 2</b><br> |
|                          | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 3                |                      |
| 5-30 VDC                 | 200                  | Remote                       | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | N/A        | 2M/PVC                   | 4                |                      |
|                          | 200                  | Remote                       | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 4                |                      |
|                          | 200                  | Remote                       | -25 to +70           | IP 67      | CPB     | EPTR  | EPTR    | N/A       | YE         | 2M/PUR                   | 4                |                      |
| 10-30 VDC                | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 2                | <b>Diagram 3</b><br> |
|                          | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 2                |                      |
| 10-30 VDC                | 500                  | ≤200                         | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                   | 3                |                      |
| 20-250 VAC<br>10-300 VDC | 20                   | ≤400/300                     | -25 to +70           | IP 67      | SS      | PA 12 | EPTR    | GN        | RD         | 2M/PVC                   | 5                | <b>Diagram 4</b><br> |
|                          | 20                   | ≤400/300                     | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | GN        | RD         | 2M/PVC                   | 5                |                      |
|                          | 20                   | ≤400/300                     | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | GN        | RD         | 2M/PVC                   | 5                |                      |
| 20-250 VAC<br>10-300 VDC | 20                   | ≤400/300                     | -25 to +70           | IP 67      | SS      | PA 12 | EPTR    | N/A       | RD         | 2M/PVC                   | 5                |                      |
|                          | 20                   | ≤400/300                     | -25 to +70           | IP 67      | CPB     | PA 12 | EPTR    | N/A       | RD         | 2M/PVC                   | 5                |                      |
| 20-250 VAC<br>10-300 VDC | 20                   | ≤400/300                     | -25 to +70           | IP 67      | TC      | TC    | EPTR    | GN        | RD         | 2M/PVC                   | 5                |                      |

Barrels

For material descriptions see page M36.