

# Inductive Sensors



| Housing Style                                      | Part Number        | ID Number | Features       | Sensing Range (mm) | Output                               |
|----------------------------------------------------|--------------------|-----------|----------------|--------------------|--------------------------------------|
| <b>30 mm - Embeddable, Potted-In Cable</b><br><br> | Bi10-M30-AD4X      | T4417000  |                | 10                 | 2-Wire DC                            |
|                                                    | Bi10U-M30-AD4X     | M4405073  | <i>Uprox+</i>  | 10                 |                                      |
|                                                    | Bi12-M30-AD4X      | T4417035  | Extended Range | 12                 |                                      |
|                                                    | Bi10U-EM30-AN6X    | M1636320  | <i>Uprox</i>   | 10                 | 3-Wire DC NPN                        |
|                                                    | Bi10U-M30-AN6X     | M1636120  | <i>Uprox</i>   | 10                 |                                      |
|                                                    | Bi15-M30-AN6X      | T4618620  | Extended Range | 15                 |                                      |
|                                                    | Bi15U-M30-AN6X     | M1636735  | <i>Uprox+</i>  | 15                 |                                      |
|                                                    | Bi10U-EM30-AP6X    | M1636300  | <i>Uprox</i>   | 10                 | 3-Wire DC PNP                        |
|                                                    | Bi10U-M30-AP6X     | M1636100  | <i>Uprox</i>   | 10                 |                                      |
|                                                    | Bi15-M30-AP6X      | T4618530  | Extended Range | 15                 |                                      |
|                                                    | Bi15U-EM30-AP6X    | M1636741  | <i>Uprox+</i>  | 15                 |                                      |
|                                                    | Bi15U-M30-AP6X     | M1636731  | <i>Uprox+</i>  | 15                 | 4-Wire DC NPN                        |
|                                                    | Bi10-M30-VN4X      | T1571400  | Comp. Outputs  | 10                 |                                      |
|                                                    | Bi15-M30-VN4X      | T4570712  | Extended Range | 15                 |                                      |
|                                                    | Bi10-M30-VP4X      | T1561400  | Comp. Outputs  | 10                 | 4-Wire DC PNP                        |
|                                                    | Bi15-M30-VP4X      | T4570713  | Extended Range | 15                 |                                      |
|                                                    | Bi10U-MT30-ADZ30X2 | M4209430  | <i>Uprox</i>   | 10                 | 2-Wire AC/DC Short-Circuit Protected |

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



| Voltage                  | Switching<br>Freq. (Hz) | Operating<br>Current (mA)<br>AC/DC | Operating<br>Temp. (°C) | Protection | Housing | Face  | End Cap | Power LED | Output LED | Cable Length<br>/ Cable Mat. | Wiring<br>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> |
|                          | 1000                    | ≤200                               | -30 to +85              | IP 68      | TC      | LCP   | EPTR    | GN        | YE         | 2M/PVC                       | 1                   |                      |
|                          | 400                     | ≤100                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 1                   |                      |
| 10-30 VDC                | 2000                    | ≤200                               | -30 to +85              | IP 68      | SS      | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 2                   | <b>Diagram 2</b><br> |
|                          | 2000                    | ≤200                               | -30 to +85              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 2                   |                      |
|                          | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 2                   |                      |
|                          | 750                     | ≤200                               | -30 to +85              | IP 68      | CPB     | LCP   | EPTR    | N/A       | YE         | 2M/PVC                       | 52                  |                      |
| 10-30 VDC                | 2000                    | ≤200                               | -30 to +85              | IP 68      | SS      | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 3                   | <b>Diagram 3</b><br> |
|                          | 2000                    | ≤200                               | -30 to +85              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 3                   |                      |
|                          | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 3                   |                      |
|                          | 750                     | ≤200                               | -30 to +85              | IP 68      | SS      | LCP   | EPTR    | N/A       | YE         | 2M/PUR                       | 3                   |                      |
|                          | 750                     | ≤200                               | -30 to +85              | IP 68      | CPB     | LCP   | EPTR    | N/A       | YE         | 2M/PVC                       | 3                   |                      |
| 10-65 VDC                | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 4                   | <b>Diagram 4</b><br> |
|                          | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 4                   |                      |
| 10-65 VDC                | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 5                   | <b>Diagram 5</b><br> |
|                          | 500                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                       | 5                   |                      |
| 20-250 VAC<br>10-300 VDC | 20                      | ≤400/300                           | -25 to +70              | IP 67      | TC      | TC    |         | GN        | RD         | 2M/PUR                       | 6                   | <b>Diagram 6</b><br> |