

# Proximity Sensor Accessories

## Y92E

### Proximity Sensor Accessories to Mount, Protect and Optimize Sensor Efficiency

- General purpose plastic mounting brackets
- Spring mount threaded cylindrical housings in anodized aluminum and stainless steel to reduce sensor damage due to collisions
- Spring mount blocks in anodized aluminum or stainless steel
- Fast mount cylindrical tubes in nickel-plated brass and Fluoroplastic coated versions simplifies mounting and eliminates sensor positioning
- Fluoroplastic sensor caps and ceramic face discs protect sensor face from heat and abrasion
- Threaded metal block mounts
- Flat and right angle brackets in CRS or stainless steel fixed or adjustable versions
- Weld jacket for cable and cordset protection



### ■ General Purpose Plastic Mounting Brackets

#### Ordering Information

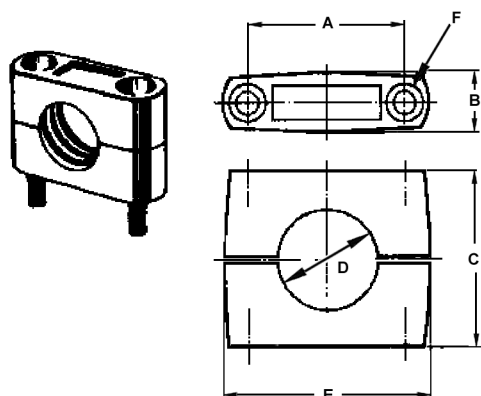
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Description                        | Applicable sensor series                                                                     | Model     |
|------------------------------------|----------------------------------------------------------------------------------------------|-----------|
| Fits 3.5 mm dia. unthreaded sensor | E2C-C (Stainless Bracket)                                                                    | Y92E-F3R5 |
| Fits M5 size sensors               | E2C-C (Stainless Bracket)                                                                    | Y92E-F5R4 |
| Fits M8 size sensors               | E2E, E2A, E2F, E2C-T, E2C, E2C-H, E3HT                                                       | Y92E-B8   |
| Fits M12 size sensors              | E2E, E2E2, E2A, E2F, E2C, E2EC, E2K-X, E2FQ, E2EQ, E2C-H, E2EV                               | Y92E-B12  |
| Fits M18 size sensors              | E2E, E2E2, E2A, E2F, E2C, E2K-X, E2KQ, E2FQ, E2EQ, E2ES, E2C-H, E2EV, E2EY, E2EZ, F92A, E3F2 | Y92E-B18  |
| Fits M30 size sensors              | E2E, E2E2, E2A, E2F, E2C, E2K-X, E2FQ, E2EQ, E2ES, E2EV, E2EY, E2EZ, B7AP                    | Y92E-B30  |

# Dimensions

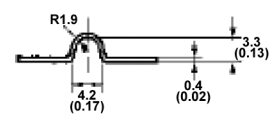
Unit: mm (inch)

## Mounting Brackets

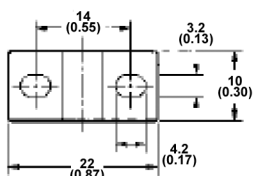
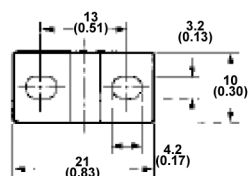
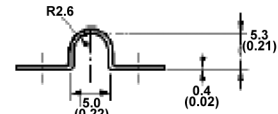


| Drawing dimensions |             |           |           |           |              | Model    |
|--------------------|-------------|-----------|-----------|-----------|--------------|----------|
| A                  | B max.      | C         | D dia.    | E max.    | F            |          |
| 18±0.2 (0.71±0.01) | 10 (0.39)   | 18 (0.71) | 8 (0.31)  | 28 (1.10) | M4 x 20 bolt | Y92E-B8  |
| 24±0.2 (0.94±0.01) | 12.5 (0.49) | 20 (0.79) | 12 (0.47) | 37 (1.46) | M4 x 25 bolt | Y92E-B12 |
| 32±0.2 (1.26±0.01) | 17 (0.67)   | 30 (1.18) | 18 (0.71) | 47 (1.85) | M5 x 32 bolt | Y92E-B18 |
| 45±0.2 (1.77±0.01) | 17 (0.67)   | 50 (1.97) | 30 (1.18) | 60 (2.36) | M5 x 50 bolt | Y92E-B30 |

Y92E-F3R5



Y92E-F5R4



## ■ Replacement Mounting Hardware (2 Locknuts and 1 Washer)

### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Description                                                       |                       | Model           |
|-------------------------------------------------------------------|-----------------------|-----------------|
| Mounting hardware including one pair of metal nuts and one washer | Fits M8 size sensors  | <b>M8-MHWS</b>  |
|                                                                   | Fits M12 size sensors | <b>M12-MHWS</b> |
|                                                                   | Fits M18 size sensors | <b>M18-MHWS</b> |
|                                                                   | Fits M30 size sensors | <b>M30-MHWS</b> |

## ■ Swiveling Universal Mounting Bracket

Attach threaded barrel photoelectric, ultrasonic and proximity sensors as well as limit switch-style devices having M30 threaded bases. Achieve easy flexible aiming and secure mounting with these durable, glass-filled nylon brackets. Simplifies sensor installation and setup, designed for M12, M18 and M30 Threaded Sensors.



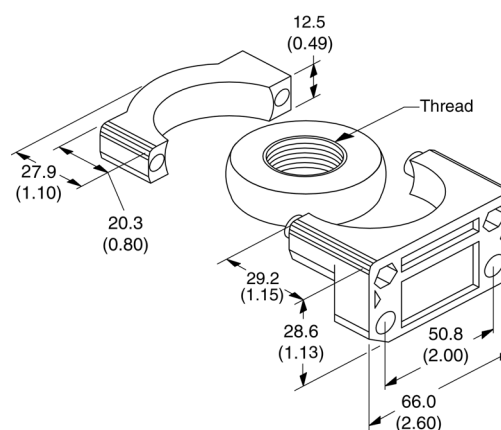
### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Thread    | Model               |
|-----------|---------------------|
| M12 x 1   | <b>Y92E-SUMB-12</b> |
| M18 x 1   | <b>Y92E-SUMB-18</b> |
| M30 x 1.5 | <b>Y92E-SUMB-30</b> |

### Dimensions

Unit: mm (inch)



## ■ Proximity Sensor Spring Mount Threaded Housings

Acts as a  
shock absorber



Build compliance into your sensor mounting brackets to eliminate sensor damage due to target and tooling collisions. Spring mount threaded housings offer over-travel protection, resistance to abrasion, quicker installation and spare parts reduction. Spring mount threaded housings are available in anodized aluminum construction or in stainless steel versions for M8, M12, M18 and M30 shielded or unshielded proximity sensors. Plastic end caps are utilized to deflect targets approaching the sensor laterally and are included with the hardware.

### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

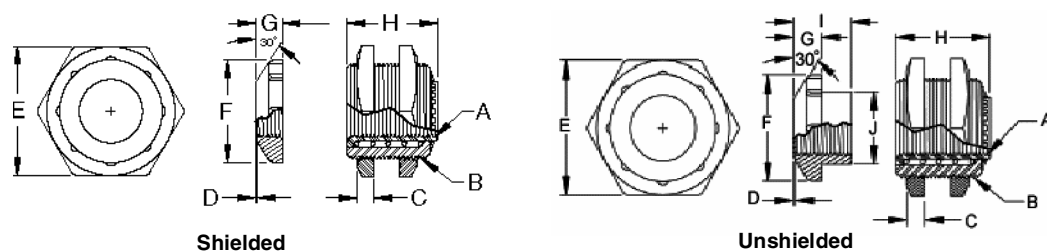
| Barrel size | Description                                       | Model         |
|-------------|---------------------------------------------------|---------------|
| M8          | Spring Mount for M8 Shielded Anodized Aluminum    | Y92E-GS08     |
| M8          | Spring Mount for M8 Unshielded Anodized Aluminum  | Y92E-GS08N    |
| M12         | Spring Mount for M12 Shielded Anodized Aluminum   | Y92E-GS12     |
| M12         | Spring Mount for M12 Unshielded Anodized Aluminum | Y92E-GS12N    |
| M18         | Spring Mount for M18 Shielded Anodized Aluminum   | Y92E-GS18     |
| M18         | Spring Mount for M18 Unshielded Anodized Aluminum | Y92E-GS18N    |
| M30         | Spring Mount for M30 Shielded Anodized Aluminum   | Y92E-GS30     |
| M30         | Spring Mount for M30 Unshielded Anodized Aluminum | Y92E-GS30N    |
| M8          | Spring Mount for M8 Shielded Stainless Steel      | Y92E-GS08-SS  |
| M8          | Spring Mount for M8 Unshielded Stainless Steel    | Y92E-GS08N-SS |
| M12         | Spring Mount for M12 Shielded Stainless Steel     | Y92E-GS12-SS  |
| M12         | Spring Mount for M12 Unshielded Stainless Steel   | Y92E-GS12N-SS |
| M18         | Spring Mount for M18 Shielded Stainless Steel     | Y92E-GS18-SS  |
| M18         | Spring Mount for M18 Unshielded Stainless Steel   | Y92E-GS18N-SS |
| M30         | Spring Mount for M30 Shielded Stainless Steel     | Y92E-GS30-SS  |
| M30         | Spring Mount for M30 Unshielded Stainless Steel   | Y92E-GS30N-SS |

## Dimensions

Unit: mm (inch)

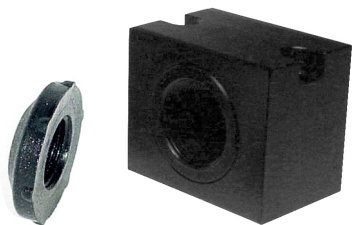
### Spring Mount Threaded Housings

Model numbers ending in "U" are unshielded type and are depicted on the right. "O" dimension in the table is total allowable over travel. Stainless Steel version dimensions are identical.



| A       | B           | C              | D              | E              | F              | G              | H              | I              | J              | O              | Model      |
|---------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|
| M8x1    | M16<br>x1.5 | 3.1<br>(0.12)  | 0.25<br>(0.01) | 22.1<br>(0.87) | 15.1<br>(0.59) | 5.1<br>(0.20)  | 22.1<br>(0.87) | N/A            | N/A            | 9.04<br>(0.35) | Y92E-GS08  |
|         |             |                |                |                |                |                |                | 9.51<br>(0.37) | 11<br>(0.43)   |                | Y92E-GS08N |
| M12x1   | M22<br>x1.5 | 4.06<br>(0.16) | 0.51<br>(0.02) | 28.6<br>(1.12) | 22.9<br>(0.90) | 6.35<br>(0.25) | 22.1<br>(0.87) | N/A            | N/A            | 10.4<br>(0.41) | Y92E-GS12  |
|         |             |                |                |                |                |                |                | 17.3<br>(0.68) | 14.7<br>(0.58) |                | Y92E-GS12N |
| M18x1   | M30<br>x1.5 | 5.10<br>(0.20) | 0.76<br>(0.03) | 35.8<br>(1.41) | 29.7<br>(1.17) | 8.38<br>(0.33) | 29.7<br>(1.17) | N/A            | N/A            | 12.4<br>(0.49) | Y92E-GS18  |
|         |             |                |                |                |                |                |                | 17.8<br>(0.70) | 23.9<br>(0.94) |                | Y92E-GS18N |
| M30x1.5 | M47<br>x1.5 |                |                | 51.0<br>(2.01) | 43.7<br>(1.72) | 7.62<br>(0.30) | 37.3<br>(1.47) | N/A            | N/A            | 14.5<br>(0.57) | Y92E-GS30  |
|         |             |                |                |                |                |                |                | 20.9<br>(0.90) | 38.6<br>(1.52) |                | Y92E-GS30N |

# Proximity Sensor Spring Mount Blocks



Shielded Models



Unshielded Models

Offers the same protection as the threaded housings, available in anodized aluminum for M12, M18 and M30 shielded or unshielded proximity sensors. Plastic beveled end caps are included.

## Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

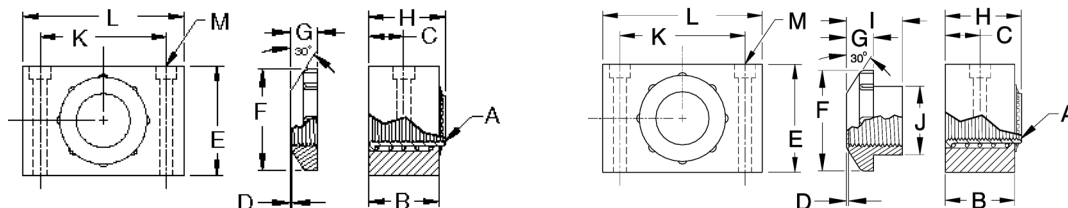
| Barrel size | Description                                             | Model       |
|-------------|---------------------------------------------------------|-------------|
| M8          | Spring Mount Block for M8 Shielded Anodized Aluminum    | Y92E-GSB08  |
| M8          | Spring Mount Block for M8 Unshielded Anodized Aluminum  | Y92E-GSB08N |
| M12         | Spring Mount Block for M12 Shielded Anodized Aluminum   | Y92E-GSB12  |
| M12         | Spring Mount Block for M12 Unshielded Anodized Aluminum | Y92E-GSB12N |
| M18         | Spring Mount Block for M18 Shielded Anodized Aluminum   | Y92E-GSB18  |
| M18         | Spring Mount Block for M18 Unshielded Anodized Aluminum | Y92E-GSB18N |
| M30         | Spring Mount Block for M30 Shielded Anodized Aluminum   | Y92E-GSB30  |
| M30         | Spring Mount Block for M30 Unshielded Anodized Aluminum | Y92E-GSB30N |

## Dimensions

Unit: mm (inch)

### Spring Mount Blocks

Model numbers ending in "N" are unshielded type and are depicted on the right, shielded models are depicted on the left. "O" dimension in the table is total allowable over travel. Dimensions for Stainless Steel versions are identical.



| A           | B              | C              | D              | E              | F              | G              | H              | I              | J              | K              | L              | M              | O              | Model       |
|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------|
| M8x1        | 19.0<br>(0.75) | 9.52<br>(0.37) | 0.25<br>(0.01) | 15.8<br>(0.62) | 15.2<br>(0.60) | 5.33<br>(0.21) | 22.1<br>(0.87) | N/A            | N/A            | 18.4<br>(0.72) | 25.4<br>(1.00) | 3.58<br>(0.14) | 8.89<br>(0.35) | Y92E-GSB08  |
|             |                |                |                |                |                |                |                | 9.51<br>(0.37) | 11<br>(0.43)   |                |                |                |                | Y92E-GSB08N |
| M12x1       |                |                | 0.51<br>(0.02) | 25.4<br>(1.00) | 22.9<br>(0.90) | 6.35<br>(0.25) |                | N/A            | N/A            | 24.8<br>(0.98) | 38.1<br>(1.50) | 5.16<br>(0.20) | 10.4<br>(0.41) | Y92E-GSB12  |
|             |                |                |                |                |                |                |                | 17.3<br>(0.68) | 14.7<br>(0.58) |                |                |                |                | Y92E-GSB12N |
| M18x1       | 25.4<br>(1.00) | 12.7<br>(0.50) | 0.76<br>(0.03) | 31.7<br>(1.25) | 29.7<br>(1.17) | 8.38<br>(0.33) | 29.7<br>(1.17) | N/A            | N/A            | 30.7<br>(1.21) |                | 4.60<br>(0.18) | 12.4<br>(0.47) | Y92E-GSB18  |
|             |                |                |                |                |                |                |                | 17.8<br>(0.70) | 23.9<br>(0.94) |                |                |                |                | Y92E-GSB18N |
| M30<br>x1.5 | 34.9<br>(1.38) | 17.5<br>(0.68) |                | 50.8<br>(2.00) | 43.7<br>(1.72) | 7.62<br>(0.30) | 37.4<br>(1.47) | N/A            | N/A            | 51.5<br>(2.03) | 63.5<br>(2.50) | 6.73<br>(0.26) | 14.5<br>(0.57) | Y92E-GSB30  |
|             |                |                |                |                |                |                |                | 22.9<br>(0.90) | 38.6<br>(1.52) |                |                |                |                | Y92E-GSB30N |

## ■ Replacement Beveled Plastic End Caps for Use with Spring Mounts



Replacement beveled plastic end caps only are available for spring mount threaded and block style housings. Please determine the Prox. Barrel size and if it is shielded or unshielded type. Shielded types are glass filled Nylon, unshielded types are Delrin®.

### Ordering Information

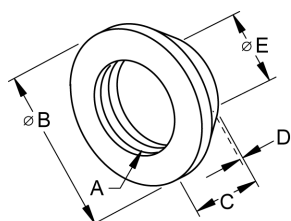
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| For barrel size | Description                                 | Model            |
|-----------------|---------------------------------------------|------------------|
| M8              | Replacement End Cap for M8 Prox Shielded    | <b>Y92E-ES08</b> |
| M8              | Replacement End Cap for M8 Prox Unshielded  | Y92E-ES08M       |
| M12             | Replacement End Cap for M12 Prox Shielded   | <b>Y92E-ES12</b> |
| M12             | Replacement End Cap for M12 Prox Unshielded | Y92E-ES12M       |
| M18             | Replacement End Cap for M18 Prox Shielded   | <b>Y92E-ES18</b> |
| M18             | Replacement End Cap for M18 Prox Unshielded | Y92E-ES18M       |
| M30             | Replacement End Cap for M30 Prox Shielded   | <b>Y92E-ES30</b> |
| M30             | Replacement End Cap for M30 Prox Unshielded | Y92E-ES30M       |

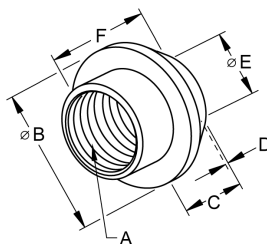
### Dimensions

Unit: mm (inch)

### Replacement Beveled Plastic Caps for Use with Spring Mount Housings



Shielded Type Glass Filled Nylon



Unshielded Type Delrin®

| A       | B              | C              | D              | E              | F              | Model      |
|---------|----------------|----------------|----------------|----------------|----------------|------------|
| M8x1    | 15.2<br>(.600) | 5.28<br>(.210) | 0.38<br>(.015) | 6.45<br>(.250) | N/A            | Y92E-ES08  |
|         | 14.5<br>(.570) | 5.08<br>(.200) |                |                | 9.50<br>(.370) | Y92E-ES08M |
| M12x1   | 24.4<br>(.960) | 6.35<br>(.250) | 0.76<br>(.030) | 11.4<br>(.450) | N/A            | Y92E-ES12  |
|         | 22.9<br>(.900) |                |                |                | 17.3<br>(.680) | Y92E-ES12M |
| M18x1   | 31.3<br>(1.23) | 8.38<br>(.330) |                | 17.5<br>(.730) | N/A            | Y92E-ES18  |
|         | 34.0<br>(1.34) |                |                |                | 17.8<br>(.700) | Y92E-ES18M |
| M30x1.5 | 43.7<br>(1.72) | 7.62<br>(.300) | 1.02<br>(.040) | 29.2<br>(1.15) | N/A            | Y92E-ES30  |
|         | 44.5<br>(1.75) | 7.87<br>(.310) |                |                | 22.9<br>(.900) | Y92E-ES30M |

## ■ Fast Mount Tubes, Fluoroplastic Coated Fast Mount Tubes and Fluoroplastic Resin Caps for Proximity Sensors



Install proximity sensors into the tube and simply twist to secure. Maintains sensing gap, reduces installation time. Standard versions are nickel-plated brass, Fluoroplastic coated versions protect the sensor from the harshest environments. Fluoroplastic resin end caps for fast mount tubes are also listed below. Dimensions differ from standard sensor caps for use on sensors not mounted in fast mount tubes. Caps are sold separately. Fast Mount Tubes are not Spring Loaded.

### Ordering Information

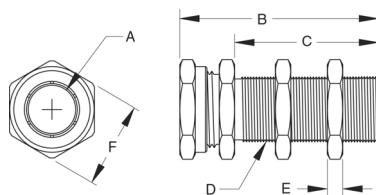
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                                    | Model       |
|-------------|----------------------------------------------------------------|-------------|
| M8 Short    | Fast Mount Tube for M8 Short Barrel Prox NPB                   | Y92E-G08S   |
| M8 Long     | Fast Mount Tube for M8 Long Barrel Prox NPB                    | Y92E-G08L   |
| M12 Short   | Fast Mount Tube for M12 Short Barrel Prox NPB                  | Y92E-G12S   |
| M12 Long    | Fast Mount Tube for M12 Long Barrel Prox NPB                   | Y92E-G12L   |
| M18 Short   | Fast Mount Tube for M18 Short Barrel Prox NPB                  | Y92E-G18S   |
| M18 Long    | Fast Mount Tube for M18 Long Barrel Prox NPB                   | Y92E-G18L   |
| M30 Short   | Fast Mount Tube for M30 Short Barrel Prox NPB                  | Y92E-G30S   |
| M30 Long    | Fast Mount Tube for M30 Long Barrel Prox NPB                   | Y92E-G30L   |
| M8 Short    | Fast Mount Tube for M8 Short Barrel Prox Fluoroplastic Coated  | Y92E-G08S-T |
| M8 Long     | Fast Mount Tube for M8 Long Barrel Prox Fluoroplastic Coated   | Y92E-G08L-T |
| M12 Short   | Fast Mount Tube for M12 Short Barrel Prox Fluoroplastic Coated | Y92E-G12S-T |
| M12 Long    | Fast Mount Tube for M12 Long Barrel Prox Fluoroplastic Coated  | Y92E-G12L-T |
| M18 Short   | Fast Mount Tube for M18 Short Barrel Prox Fluoroplastic Coated | Y92E-G18S-T |
| M18 Long    | Fast Mount Tube for M18 Long Barrel Prox Fluoroplastic Coated  | Y92E-G18L-T |
| M30 Short   | Fast Mount Tube for M30 Short Barrel Prox Fluoroplastic Coated | Y92E-G30S-T |
| M30 Long    | Fast Mount Tube for M30 Long Barrel Prox Fluoroplastic Coated  | Y92E-G30L-T |
| M8          | Fluoroplastic Cap for M8 Prox mounted in a Fast Mount Tube     | Y92E-EG08-T |
| M12         | Fluoroplastic Cap for M12 Prox mounted in a Fast Mount Tube    | Y92E-EG12-T |
| M18         | Fluoroplastic Cap for M18 Prox mounted in a Fast Mount Tube    | Y92E-EG18-T |
| M30         | Fluoroplastic Cap for M30 Prox mounted in a Fast Mount Tube    | Y92E-EG30-T |

## Dimensions

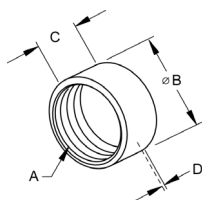
Unit: mm (inch)

### Fast Mount Tubes



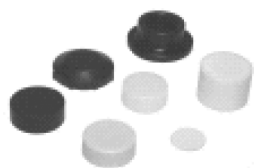
| A              | B              | C              | D       | E              | F              | Model     |
|----------------|----------------|----------------|---------|----------------|----------------|-----------|
| 8.18<br>(0.32) | 32.4<br>(1.28) | 17.5<br>(0.69) | M12x1   | 3.85<br>(0.15) | 16.9<br>(0.67) | Y92E-G08S |
|                | 48.0<br>(1.93) | 34.0<br>(1.34) |         |                |                | Y92E-G08L |
| 12.1<br>(0.48) | 33.7<br>(1.34) | 19.5<br>(0.77) | M16x1   | 4.01<br>(0.16) | 21.8<br>(0.86) | Y92E-G12S |
|                | 44.8<br>(1.76) | 30.0<br>(1.18) |         |                |                | Y92E-G12L |
| 18.1<br>(0.71) | 38.5<br>(1.52) | 20.0<br>(0.79) | M24x1.5 | 4.95<br>(0.19) | 30.0<br>(1.18) | Y92E-G18S |
|                | 58.0<br>(2.28) | 40.0<br>(1.57) |         |                |                | Y92E-G18L |
| 30.1<br>(1.19) | 35.0<br>(1.50) | 20.0<br>(0.79) | M36x1.5 | 6.13<br>(0.24) | 41.0<br>(1.61) | Y92E-G30S |
|                | 58.0<br>(2.28) | 40.0<br>(1.57) |         |                |                | Y92E-G30L |

### Fluoroplastic Resin Sensor Caps for use with Sensors in Fast Mount Tubes



| A       | B              | C              | D              | Model       |
|---------|----------------|----------------|----------------|-------------|
| M12x1   | 14.7<br>(0.58) | 8.89<br>(0.35) | 0.89<br>(.035) | Y92E-EG08-T |
| M16x1   | 19.1<br>(.750) | 7.11<br>(0.28) | 1.02<br>(.040) | Y92E-EG12-T |
| M24x1.5 | 28.4<br>(1.12) | 8.89<br>(0.35) | 1.27<br>(.0)   | Y92E-EG18-T |
| M36x1.5 | 41.1<br>(1.62) |                | 1.78<br>(.070) | Y92E-EG30-T |

## ■ Sensor Caps Standard Versions in Fluoroplastic or Ceramic (not for use with fast mount tubes)



### Ordering Information

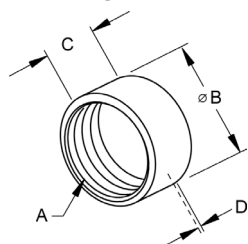
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                      | Model        |
|-------------|--------------------------------------------------|--------------|
| M12         | Fluoroplastic Sensor Cap for M12 Shielded Prox   | Y92E-SC12-T  |
| M12         | Fluoroplastic Sensor Cap for M12 Unshielded Prox | Y92E-SC12N-T |
| M12         | Ceramic Sensor Cap for M12 Shielded Prox         | Y92E-SC12-C  |
| M12         | Ceramic Sensor Cap for M12 Unshielded Prox       | Y92E-SC12N-C |
| M18         | Fluoroplastic Sensor Cap for M18 Shielded Prox   | Y92E-SC18-T  |
| M18         | Fluoroplastic Sensor Cap for M18 Unshielded Prox | Y92E-SC18N-T |
| M18         | Ceramic Sensor Cap for M18 Shielded Prox         | Y92E-SC18-C  |
| M18         | Ceramic Sensor Cap for M18 Unshielded Prox       | Y92E-SC18N-C |
| M30         | Fluoroplastic Sensor Cap for M30 Shielded Prox   | Y92E-SC30-T  |
| M30         | Fluoroplastic Sensor Cap for M30 Unshielded Prox | Y92E-SC30N-T |
| M30         | Ceramic Sensor Cap for M30 Shielded Prox         | Y92E-SC30-C  |
| M30         | Ceramic Sensor Cap for M30 Unshielded Prox       | Y92E-SC30N-C |

### Dimensions

Unit: mm (inch)

#### Sensor Caps Standard Versions in Fluoroplastic or Ceramic



| A       | B              | C              | D              | Model      |
|---------|----------------|----------------|----------------|------------|
| M12x1   | 14.7<br>(0.58) | 8.90<br>(0.35) | 0.89<br>(.035) | Y92E-SC12  |
|         |                | 15.2<br>(0.60) |                | Y92E-SC12N |
| M18x1   | 24.1<br>(0.95) | 8.90<br>(0.35) | 1.14<br>(.045) | Y92E-SC18  |
|         |                | 17.8<br>(0.70) |                | Y92E-SC18N |
| M30x1.5 | 38.1<br>(1.50) | 9.90<br>(0.39) | 2.03<br>(0.08) | Y92E-SC30  |
|         |                | 25.4<br>(1.00) |                | Y92E-SC30N |

## ■ Sensor Caps Standard Versions Polyallylate Resin (not for use with fast mount tubes)

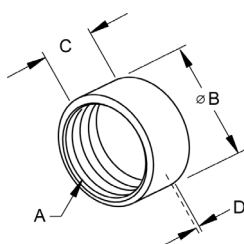
### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                           | Model            |
|-------------|-------------------------------------------------------|------------------|
| M12         | Polyallylate Resin Sensor Cap for M12 Shielded Prox   | <b>Y92E-E12</b>  |
| M12         | Polyallylate Resin Sensor Cap for M12 Unshielded Prox | <b>Y92E-E12M</b> |
| M18         | Polyallylate Resin Sensor Cap for M18 Shielded Prox   | <b>Y92E-E18</b>  |
| M18         | Polyallylate Resin Sensor Cap for M18 Unshielded Prox | <b>Y92E-E18M</b> |
| M30         | Polyallylate Resin Sensor Cap for M30 Shielded Prox   | <b>Y92E-E30</b>  |
| M30         | Polyallylate Resin Sensor Cap for M30 Unshielded Prox | <b>Y92E-E30M</b> |

### Dimensions

Unit: mm (inch)



| A       | B         | C  | D   | Model     |
|---------|-----------|----|-----|-----------|
| M12x1   | 14mm dia. | 5  | 0.5 | Y92E-E12  |
|         |           | 12 |     | Y92E-E12M |
| M18x1   | 21mm dia. | 6  | 1   | Y92E-E18  |
|         |           | 16 |     | Y92E-E18M |
| M30x1.5 | 33mm dia. | 8  | 1.5 | Y92E-E30  |
|         |           | 21 |     | Y92E-E30M |

## ■ Ceramic Face Disc

A ceramic face disc can be bonded to the sensing face of M12, M18 and M30 Proximity Sensors to protect the sensor from highly abrasive environments.



### Ordering Information

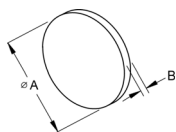
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                    | Model            |
|-------------|--------------------------------|------------------|
| M8          | Ceramic Face Disc for M8 Prox  | <b>Y92E-CF08</b> |
| M12         | Ceramic Face Disc for M12 Prox | <b>Y92E-CF12</b> |
| M18         | Ceramic Face Disc for M18 Prox | <b>Y92E-CF18</b> |
| M30         | Ceramic Face Disc for M30 Prox | <b>Y92E-CF30</b> |

### Dimensions

Unit: mm (inch)

#### M8, M12, M18 and M30 Proximity Sensors



| A              | B              | Model     |
|----------------|----------------|-----------|
| 5.80<br>(0.23) | 0.3<br>(0.012) | Y92E-CF08 |
| 10.4<br>(0.41) |                | Y92E-CF12 |
| 15.2<br>(0.60) | 0.50<br>(.020) | Y92E-CF18 |
| 27.9<br>(1.10) |                | Y92E-CF30 |

## ■ Silicone Rubber Protective Covers

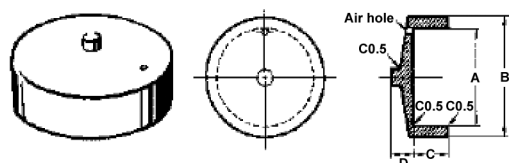
### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                   | Model      |
|-------------|-----------------------------------------------|------------|
| M12         | Silicone Rubber Protective Cover for M12 Prox | Y92E-E12-2 |
| M18         | Silicone Rubber Protective Cover for M18 Prox | Y92E-E18-2 |
| M30         | Silicone Rubber Protective Cover for M30 Prox | Y92E-E30-2 |

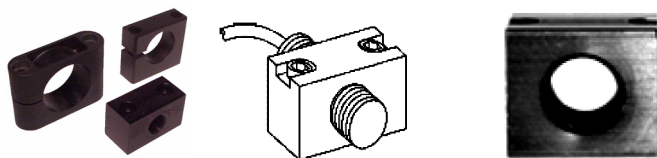
### Dimensions

Unit: mm (inch)



| Dimensions     |                |               |               | Model      |
|----------------|----------------|---------------|---------------|------------|
| A dia.         | B dia.         | C             | D             |            |
| 11.0<br>(0.43) | 14.0<br>(0.55) | 5.0<br>(0.20) | 1.0<br>(0.04) | Y92E-E12-2 |
| 17.0<br>(0.67) | 21.0<br>(0.83) | 6.0<br>(0.24) | 3.0<br>(0.12) | Y92E-E18-2 |
| 28.5<br>(1.12) | 33.0<br>(1.30) | 8.0<br>(0.32) | 6.0<br>(0.24) | Y92E-E30-2 |

## ■ Block Mounts Threaded Metal (Anodized Aluminum)



Install your proximity sensors into rugged heavy-duty anodized aluminum threaded block style mounts.

### Ordering Information

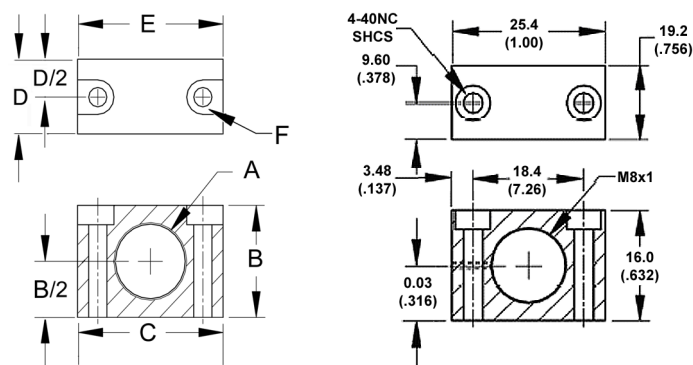
**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                    | Model      |
|-------------|------------------------------------------------|------------|
| M8          | Block Mount Threaded Metal for M8 Barrel Prox  | Y92E-B08MT |
| M12         | Block Mount Threaded Metal for M12 Barrel Prox | Y92E-B12MT |
| M18         | Block Mount Threaded Metal for M18 Barrel Prox | Y92E-B18MT |
| M30         | Block Mount Threaded Metal for M30 Barrel Prox | Y92E-B30MT |

### Dimensions

Unit: mm (inch)

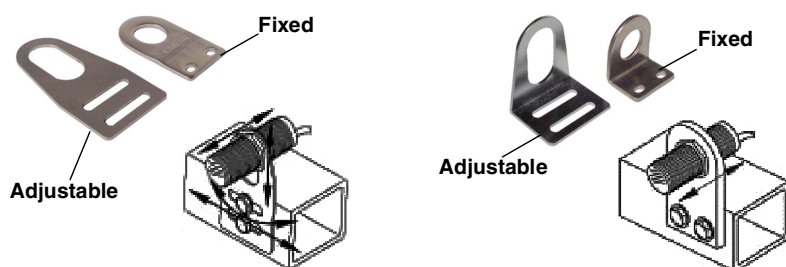
#### M8, M12, M18 and M30 Version



| A       | B              | C              | D              | E              | F              | G             | Model      |
|---------|----------------|----------------|----------------|----------------|----------------|---------------|------------|
| M12x1   | 25.4<br>(1.00) | 19.2<br>(.758) | 38.1<br>(1.50) | 25.0<br>(.980) | 6.60<br>(.260) | 10-32<br>SHCS | Y92E-B12MT |
| M18x1   | 31.8<br>(1.25) | 25.4<br>(1.00) |                | 30.7<br>(1.21) | 3.70<br>(.145) | 8-32<br>SHCS  | Y92E-B18MT |
| M30x1.5 | 50.8<br>(2.00) | 33.1<br>(1.30) | 63.5<br>(2.50) | 51.6<br>(2.03) | 5.97<br>(.235) | 1/4<br>SHCS   | Y92E-B30MT |

## ■ Flat and Right Angle Mounting Brackets

Brackets are available in fixed or slotted (adjustable) versions.



### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

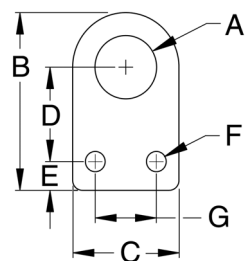
| For barrel size | Description                                                 | Model        |
|-----------------|-------------------------------------------------------------|--------------|
| M12             | Flat Bracket Fixed for M12 Prox 303 Stainless Steel         | Y92E-B12FS   |
| M18             | Flat Bracket Fixed for M18 Prox 303 Stainless Steel         | Y92E-B18FS   |
| M30             | Flat Bracket Fixed for M30 Prox 303 Stainless Steel         | Y92E-B30FS   |
| M8              | Flat Bracket Adjustable for M8 Prox Zinc-plated CRS         | Y92E-B08FRAS |
| M12             | Flat Bracket Adjustable for M12 Prox Zinc-plated CRS        | Y92E-B12FRAS |
| M18             | Flat Bracket Adjustable for M18 Prox Zinc-plated CRS        | Y92E-B18FRAS |
| M30             | Flat Bracket Adjustable for M30 Prox Zinc-plated CRS        | Y92E-B30FRAS |
| M12             | Right Angle Bracket Fixed for M12 Prox 303 SS               | Y92E-B12AS   |
| M18             | Right Angle Bracket Fixed for M18 Prox 303 SS               | Y92E-B18AS   |
| M30             | Right Angle Bracket Fixed for M30 Prox 303 SS               | Y92E-B30AS   |
| M8              | Right Angle Bracket Adjustable for M8 Prox Zinc-plated CRS  | Y92E-B08RAS  |
| M12             | Right Angle Bracket Adjustable for M12 Prox Zinc-plated CRS | Y92E-B12RAS  |
| M18             | Right Angle Bracket Adjustable for M18 Prox Zinc-plated CRS | Y92E-B18RAS  |
| M30             | Right Angle Bracket Adjustable for M30 Prox Zinc-plated CRS | Y92E-B30RAS  |

### Dimensions

Unit: mm (inch)

#### Flat Bracket Fixed Hole

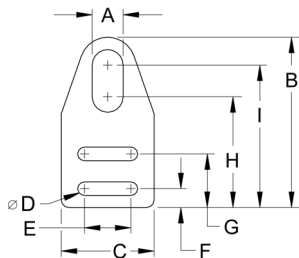
Mounting; Material is 303 Stainless Steel.



| A              | B              | C              | D              | E              | F              | G              | Material thickness | Model      |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|------------|
| 12.1<br>(.476) | 48.8<br>(1.92) | 31.8<br>(1.25) | 5.50<br>(.216) | 19.1<br>(.750) | 11.9<br>(.470) | 32.9<br>(1.30) | 3.05<br>(.120)     | Y92E-B12FS |
| 18.1<br>(.713) | 58.4<br>(2.30) | 38.1<br>(1.50) | 6.12<br>(.241) | 25.4<br>(1.00) | 7.37<br>(.290) | 41.4<br>(1.63) |                    | Y92E-B18FS |
| 30.1<br>(1.18) | 87.1<br>(3.43) | 50.8<br>(2.00) | 9.93<br>(.312) | 31.8<br>(1.25) | 9.53<br>(.375) | 61.4<br>(2.42) |                    | Y92E-B30FS |

## Flat Bracket Slotted (Adjustable) Hole

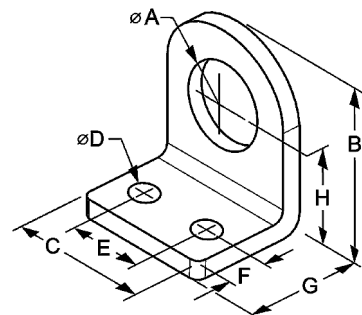
Mounting; Material is Zinc-plated carbon steel.



| A              | B              | C              | D              | E              | F              | G              | H              | I              | Material thickness | Model        |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|--------------|
| 8.10<br>(.319) | 54.3<br>(2.14) | 31.7<br>(1.25) | 5.60<br>(.220) | 15.9<br>(.625) | 7.14<br>(.281) | 19.0<br>(.749) | 38.7<br>(1.52) | 46.2<br>(1.82) | 1.78<br>(.070)     | Y92E-B08FRAS |
| 12.1<br>(.476) | 69.9<br>(2.75) | 38.1<br>(1.50) |                | 19.1<br>(.750) | 7.92<br>(.312) |                | 45.7<br>(1.80) | 58.4<br>(2.30) |                    | Y92E-B12FRAS |
| 18.1<br>(.713) | 82.6<br>(3.25) | 44.5<br>(1.75) |                | 25.4<br>(1.00) |                |                | 50.8<br>(2.00) | 66.7<br>(2.63) |                    | Y92E-B18FRAS |
| 30.1<br>(1.18) | 105<br>(4.11)  | 57.2<br>(2.25) | 7.24<br>(.285) | 34.8<br>(1.37) | 10.3<br>(.406) | 30.9<br>(1.22) | 49.0<br>(1.93) | 61.2<br>(2.14) | 2.16<br>(.095)     | Y92E-B30FRAS |

## Right Angle Bracket Fixed Hole

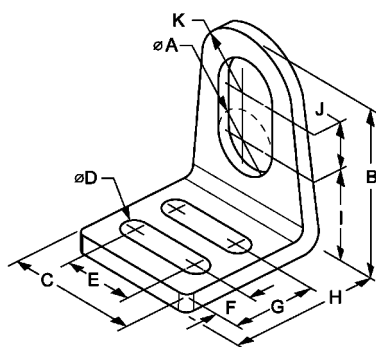
Mounting; Material is 303 Stainless Steel.



| A              | B              | C              | D              | E              | F              | G              | H              | Material thickness | Model      |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|------------|
| 12.1<br>(.476) | 28.6<br>(1.13) | 31.8<br>(1.25) | 5.50<br>(.216) | 19.1<br>(.750) | 11.9<br>(.470) | 25.4<br>(1.00) | 13.5<br>(.530) | 3.00<br>(.118)     | Y92E-B12AS |
| 18.1<br>(.713) | 38.5<br>(1.52) | 38.1<br>(1.50) | 6.12<br>(.241) | 25.4<br>(1.00) | 7.37<br>(.290) |                | 19.8<br>(.781) |                    | Y92E-B18AS |
| 30.1<br>(1.18) | 54.3<br>(2.14) | 50.8<br>(2.00) | 7.92<br>(.312) | 31.8<br>(1.25) | 9.53<br>(.375) | 38.0<br>(1.50) | 28.6<br>(1.13) |                    | Y92E-B30AS |

# Right Angle Bracket Slotted (Adjustable) Hole

Mounting; Material is Zinc-plated carbon steel.



| A              | B              | C              | D              | E              | F              | G              | H              | I              | J              | K              | Material thickness | Model       |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|-------------|
| 8.1<br>(.319)  | 25.4<br>(1.00) | 31.8<br>(1.25) | 5.54<br>(.218) | 15.9<br>(.625) | 7.14<br>(.281) | 19<br>(.749)   | 31.8<br>(1.25) | 9.83<br>(.387) | 7.62<br>(.300) | 7.95<br>(.313) | 1.78<br>(.070)     | Y92E-B08RAS |
| 12.1<br>(.476) | 38.1<br>(1.50) | 38.1<br>(1.50) |                | 19.1<br>(.750) | 7.92<br>(.312) | 22.2<br>(.875) | 34.8<br>(1.37) | 14.0<br>(.550) | 12.7<br>(.500) | 11.4<br>(.450) |                    | Y92E-B12RAS |
| 18.1<br>(.713) | 50.8<br>(2.00) | 44.5<br>(1.75) |                | 25.4<br>(1.00) |                |                |                | 19.1<br>(.750) | 15.9<br>(.625) | 15.9<br>(.625) |                    | Y92E-B18RAS |
| 30.1<br>(1.18) | 63.5<br>(2.50) | 57.2<br>(2.25) | 7.13<br>(.281) | 34.8<br>(1.37) | 10.3<br>(.406) | 30.9<br>(1.22) | 44.5<br>(1.75) | 23.0<br>(.907) | 19.1<br>(.750) | 21.4<br>(.843) | 2.16<br>(.095)     | Y92E-B30RAS |

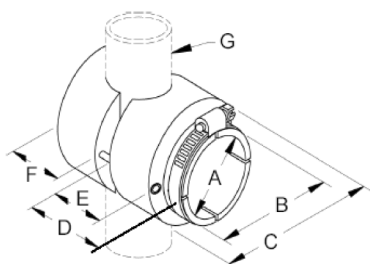
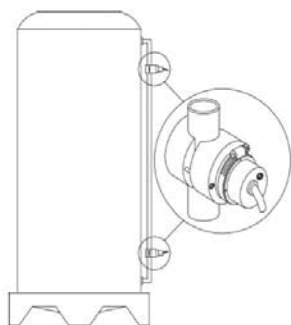
## ■ Sight Glass Mounts

Quickly attach tubular sensors to glass and plastic tubes for level detection. Often used in pairs (high-low) to detect absence or presence of liquids to activate pumps and drains in process control applications. Sight glass mounts offer adjustments "on the fly" with visual feedback for M12, M18 and M30 sensors, mounted to 9.5mm (3/8") through 44mm (1-3/4") pipes. Delrin® construction with all stainless steel fasteners provides corrosion resistance. Instantly converts tubular controls to level sensors, rapid, "out of tank" level adjustments, simple sensor change-out / replacement and very secure mounting.

### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Barrel size | Description                                  | Model             |
|-------------|----------------------------------------------|-------------------|
| M12         | Sight Glass Mount for M12 Barrel Prox        | <b>Y92E-SGM12</b> |
| M18         | Sight Glass Mount for M18 Barrel Prox        | <b>Y92E-SGM18</b> |
| M30         | Sight Glass Mount for M30 Barrel Prox        | <b>Y92E-SGM30</b> |
| M30 (34mm)  | Sight Glass Mount for M30 (34mm) Barrel Prox | <b>Y92E-SGM34</b> |



### Dimensions

Unit: mm (inch)

| A              | B              | C              | D              | E              | F              | G                              | Model      |
|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|------------|
| 12.1<br>(0.48) | 19.6<br>(0.77) | 38.1<br>(1.50) | 29.5<br>(1.16) | 13.0<br>(0.51) | 10.5<br>(0.42) | 9.40 to 20.6<br>(0.37 to 0.81) | Y92E-SGM12 |
| 18.1<br>(0.71) | 25.4<br>(1.00) | 45.0<br>(1.77) | 38.1<br>(1.50) | 15.9<br>(0.63) | 11.7<br>(0.46) |                                | Y92E-SGM18 |
| 30.1<br>(1.19) | 36.8<br>(1.45) | 69.9<br>(2.75) | 67.8<br>(2.69) | 31.8<br>(1.25) | 19.1<br>(0.75) | 25.4 to 44.5<br>(1.00 to 1.75) | Y92E-SGM30 |
| 34.1<br>(1.34) |                |                |                |                |                |                                | Y92E-SGM34 |

## ■ Sensor Wells

Sensor Wells are used to adapt tubular proximity sensors to a wide variety of vessels for level detection applications. Different style wells allow a variety of attachment options. Sensor Wells keep systems sealed prior to sensor installation, as well as during sensor removal. Reliability and performance is improved because the sensor is isolated from the system fluids / materials. Sensor Wells are available in Delrin®, HDPE and Fluoroplastic models Flange Mount, SAE & NPT threads. Sensor Wells isolate sensor from system fluids / materials, offers a highly reliable sealing method, simplifies sensor change-out process and extends the sensor operating lifetime. Maximum operating temperature for SWNPT Delrin version is 180 degrees F. Maximum operating temperature for SWNPT Fluoroplastic version is 350 degrees F. Maximum operating temperature for SWSAE UHMW material is 150 degrees F.



SAE Thread Model



Flange Mount Model



NPT Model

## Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

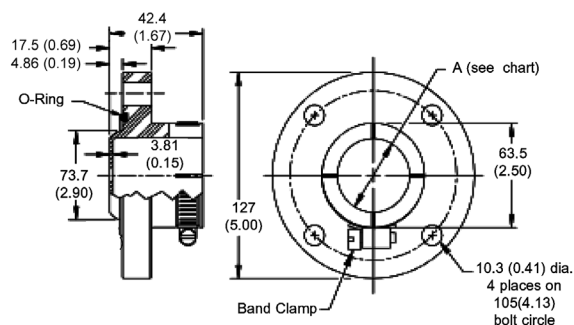
| Sensor well type | Description                                   | Model          |
|------------------|-----------------------------------------------|----------------|
| Flange Mount     | Sensor Well Flange Mount M30 Proximity        | Y92E-SWFM30    |
| Flange Mount     | Sensor Well Flange Mount M30 (34mm) Proximity | Y92E-SWFM34    |
| NPT Thread       | Sensor Well NPT Thread Delrin M12             | Y92E-SWNPT12-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M12      | Y92E-SWNPT12-T |
| NPT Thread       | Sensor Well NPT Thread Delrin M18             | Y92E-SWNPT18-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M18      | Y92E-SWNPT18-T |
| NPT Thread       | Sensor Well NPT Thread Delrin M30             | Y92E-SWNPT30-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic M30      | Y92E-SWNPT30-T |
| NPT Thread       | Sensor Well NPT Thread Delrin 34mm            | Y92E-SWNPT34-D |
| NPT Thread       | Sensor Well NPT Thread Fluoroplastic 34mm     | Y92E-SWNPT34-T |
| SAE Thread       | Sensor Well SAE Thread Delrin M18             | Y92E-SWSAE18-D |

**Note:** Flange Mount Smooth Bore (SWFM) models are fabricated using UHMW polyethylene. The O-ring, with an OD of 88.0(3.46), produces the seal and is supplied with Sensor Well.

## Dimensions

Unit: mm (inch)

### Sensor Well Flange Mount

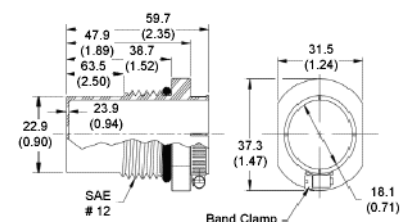


| "A" Dimension | Model       |
|---------------|-------------|
| 30.1 (1.19)   | Y92E-SWFM30 |
| 34.1 (1.35)   | Y92E-SWFM34 |

### Sensor Well NPT Thread

| A              | B              | C              | D              | E              | F              | NPT        | G              | H              | I              | Model              |
|----------------|----------------|----------------|----------------|----------------|----------------|------------|----------------|----------------|----------------|--------------------|
| 44.5<br>(1.75) | 33.0<br>(1.30) | 26.7<br>(1.05) | 9.14<br>(0.36) | 0.76<br>(0.03) | 17.8<br>(0.70) | 1/2x14     | 25.1<br>(0.99) | 31.8<br>(1.25) | 12.1<br>(0.48) | Y92E-SWNPT12-(D/T) |
| 59.7<br>(2.35) | 48.1<br>(1.90) | 38.9<br>(1.53) | 16.5<br>(0.65) | 1.27<br>(0.05) | 22.6<br>(0.89) | 3/4x14     | 31.5<br>(1.24) | 37.3<br>(1.47) | 18.1<br>(0.71) | Y92E-SWNPT18-(D/T) |
|                |                |                |                | 1.91<br>(0.08) | 36.6<br>(1.44) | 1-1/4x11.5 | 44.5<br>(1.75) | 50.0<br>(1.97) | 30.1<br>(1.19) | Y92E-SWNPT30-(D/T) |
|                |                |                | 19.3<br>(0.76) | 2.03<br>(0.08) | 41.1<br>(1.63) | 1-1/2x11.5 | 56.9<br>(2.24) | 63.2<br>(2.49) | 34.1<br>(1.34) | Y92E-SWNPT34-(D/T) |

### Sensor Well SAE Thread for M18 Prox



## ■ Sensor Checker

Full Function Sensor Checker in a pocket-sized non-metallic enclosure. Includes easy push-type terminals making wire connections simple and quick. Allows troubleshooting and or demonstration of DC sensors; 2, 3, 4-wire and NAMUR type sensor built to DIN 19234 specifications. Confirms operation of inductive, photoelectric, capacitive and ultrasonic sensors. Wiring instructions are printed on the case. Includes dual operation indicators LED and buzzer. Uses and is supplied with two 9V batteries. Easily confirm sensor operation, confirm PNP vs. NPN, reduce your troubleshooting time.

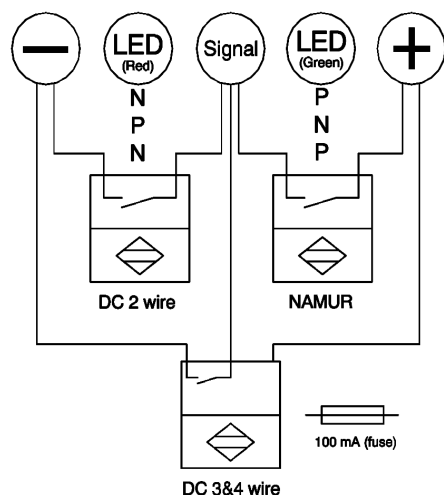
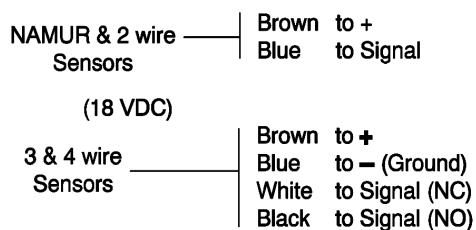
## Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

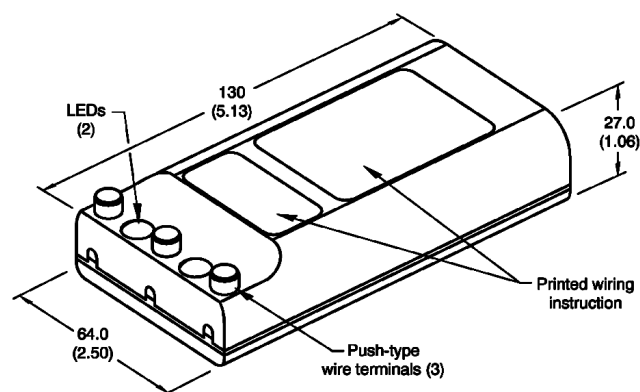
|                                        | Model    |
|----------------------------------------|----------|
| Sensor Checker includes 2 9V Batteries | Y92E-SC1 |



## Wiring Connections



## Specifications



|                          |                   |
|--------------------------|-------------------|
| Supply voltage           | 18 VDC            |
| Maximum rated load       | 100mA (fused)     |
| Short circuit protection | Yes               |
| Over voltage protection  | Yes               |
| LED display              | Yes (2)           |
| Audible output           | Yes               |
| Operating temperature    | Room temperature  |
| Humidity                 | 80% noncondensing |
| Housing material         | ABS               |
| Protection class         | IP67              |
| Battery                  | 9v (2)            |

## ■ Weld Jacket

Weld Jacket is a protective covering for cordsets. Weld Jacket slips over the cable and the connector portion to offer protection in harsh welding environments. Weld Jacket is available in 1/2" or 3/4" diameter by 3 foot or 50 foot lengths.



### Ordering Information

**Note:** Shaded models are normally stocked. Un-shaded models require 2-3 weeks delivery.

| Jacket diameter | Description                     | Model          |
|-----------------|---------------------------------|----------------|
| 1/2"            | 1/2" Weld Jacket 36 inch length | Y92E-WJ12X36IN |
| 1/2"            | 1/2" Weld Jacket 50 foot length | Y92E-WJ12X50FT |
| 3/4"            | 3/4" Weld Jacket 36 inch length | Y92E-WJ34X36IN |
| 3/4"            | 3/4" Weld Jacket 50 foot length | Y92E-WJ34X50FT |

Description: Woven fiberglass sleeving coated with a specially formulated and proprietary silicone rubber. Exhibits exceptional high-temperature properties, flexibility, and toughness and abrasion resistance. Silicone rubber finish provides superior thermal protection, flame resistance and makes it an ideal choice for welding applications requiring outstanding physical and insulation properties in high operating temperatures.

Thermal Endurance: -80°C to +240°C (-112°F to +464°F)

Chemical Endurance:

1. Oil and Solvent Resistance: passes MIL-I-3190/9
2. Water Vapor Resistance: passes MIL-I-3190/9
3. Excellent Resistance to Acids and Alkalies.
4. Resistance to mildew, aging and sunlight: unaffected by sunlight and weather.
5. Compatibility UL 1446 Good. Compatible with most varnishes.

Standards: Exceeds the requirements of UL 1441- table 19.8, NEMA TF-1- type 5 and ASTM-D372.

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