

## Datasheet

### **RS Pro Recessed Indicator Panel Mount, 8mm Mounting Hole Size, Red/Green/Yellow LED, Lead Wires Termination, 5 mm Lamp Size**

RS Stock No: **723-9523**



## Product Details

RS Pro recessed indicator with 8 mm mounting hole, features red/yellow/green LEDs for panel mount applications. With an IP67 rating, it is suitable for most environments including outdoor applications. This indicator accommodates a lamp size of 5 mm and offers wires termination. It has a voltage rating of 24 V dc. The indicator has a wide operating temperature range of -40 to +85°C, further increasing the potential applications they may be used for. The 5 mm LED requires an 8 mm panel cut-out and is supplied with a fixing nut and spring washer. It offers a wide selection of voltage ratings, bezel finishes and bezel styles.

## Features and Benefits

- 8 mm panel mounting LED indicator
- Coloured diffused epoxy lens or water clear super bright LEDs
- Prominent, recessed, chamfer and flush bezel styles
- Sealed to IP67
- Operating temperature range: -40 to +85°C

## Specifications:

|                      |                                               |
|----------------------|-----------------------------------------------|
| Bezel Colour         | Black Chrome                                  |
| Bezel Style          | Recessed                                      |
| Current Rating       | 20 mA                                         |
| Intensity            | 60 mcd (Red), 13 mcd (Yellow), 15 mcd (Green) |
| IP Rating            | IP67                                          |
| Lamp Size            | 5 mm                                          |
| Lamp Type            | LED                                           |
| Length               | 28.5 mm                                       |
| Light Output Colour  | Red/Green/Yellow                              |
| Mounting Hole Size   | 8 mm                                          |
| Termination Type     | Wires                                         |
| Type                 | Panel Mount                                   |
| Voltage Rating       | 24 V dc                                       |
| Temperature Rating   | -40 to +85°C                                  |
| LED Colour           | Red/Yellow/Green                              |
| Type of Illumination | Tri-Colour                                    |
|                      |                                               |



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## TECHNICAL SPECIFICATIONS

| Voltage          | Operating Voltage | Operating Current   |
|------------------|-------------------|---------------------|
|                  | (Min to Max)      | (Typical All Types) |
| 02 (No Resistor) | 1.8 to 3.3VDC     | 20mA max*           |
| 6VDC             | 5.4 to 6.6VDC     | 20mA                |
| 12VDC            | 10.8 to 13.2VDC   | 20mA                |
| 24VDC            | 21.6 to 26.4VDC   | 20mA                |
| 28VDC            | 25.2 to 30.8VDC   | 20mA                |
| 110VAC           | 99 to 121VAC      | 6mA                 |
| 220VAC           | 207 to 253VAC     | 3mA                 |

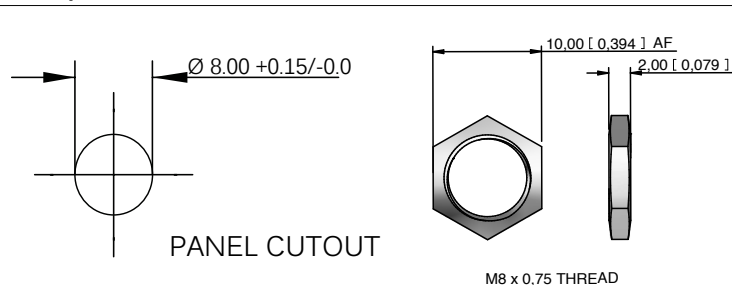
Max Reverse Voltage: 5V

Viewing Angle: 30–100° (dependant on model)

Life Expectancy: 100,000 hours

Temperature Range: –40 to +85°C (operating &amp; storage)

Torque: 20 to 25cNm



| Standard LED Intensity                                                                    | Prominent and Recessed | Flush      | Forward Voltage |
|-------------------------------------------------------------------------------------------|------------------------|------------|-----------------|
| HE Red                                                                                    | 80mcd                  | 8mcd       | 2.0V            |
| Green                                                                                     | 60mcd                  | 6mcd       | 2.2V            |
| Yellow                                                                                    | 50mcd                  | 6mcd       | 2.1V            |
| Blue                                                                                      | 1600mcd                | 50mcd      | 3.3V            |
| White                                                                                     | 1600mcd                | 500mcd     | 3.3V            |
| Orange                                                                                    | 60mcd                  | 110mcd     | 2.2V            |
| Bi-color (Typical) (Red/Green)                                                            | 14/30mcd               | 15/10mcd   | 2.0V/2.2V       |
| Tri-color (Typical) (Red/Green/Yellow)                                                    | 60/15/13mcd            | 15/10/6mcd | 2.0V/2.2V/2.1V  |
| Bi-color - The color is changed by reversing the polarity of the supply voltage.          |                        |            |                 |
| Tri-color - The indicator has red and green LEDs, when both connected yellow is produced. |                        |            |                 |
|                                                                                           |                        |            |                 |
| Super Bright LED                                                                          | Prominent and Recessed | Flush      | Forward Voltage |
| HE Red                                                                                    | 5,000mcd               | 1,300mcd   | 2.2V            |
| Green                                                                                     | 10,000mcd              | 1,200mcd   | 3.3V            |
| Yellow                                                                                    | 4,000mcd               | 350mcd     | 2.0V            |
| Blue                                                                                      | 2,200mcd               | 280mcd     | 3.3V            |
| White                                                                                     | 2,500mcd               | 950mcd     | 3.3V            |
| Orange                                                                                    | 4,000mcd               | 500mcd     | 2.2V            |
|                                                                                           |                        |            |                 |
| Hyper Bright LED                                                                          | Prominent and Recessed | Flush      | Forward Voltage |
| HE Red                                                                                    | 6,000mcd               | 980mcd     | 2.2V            |
| Green                                                                                     | 1,900mcd               | 300mcd     | 3.3V            |
| Yellow                                                                                    | 1,600mcd               | 250mcd     | 2.0V            |
| Orange                                                                                    | 2,400mcd               | 110mcd     | 2.2V            |
|                                                                                           |                        |            |                 |
| Luminous intensity will be reduced with lower operating current.                          |                        |            |                 |

Note: The operating voltage must not be exceeded by more than 10% as this will result in reduced life expectancy.

The company reserves the right to change specifications without notice.

\* Customer to supply resistor for desired operating current.

Luminous intensity is measured at 20mA on a discrete LED unless otherwise stated.

Luminous intensities and color shades of white LEDs may vary within a batch.

LED characteristics are dependent upon environmental conditions. Therefore published data should be considered nominal.

# Technical Drawings

## RECESSED BEZEL

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