

---

The following page(s) are extracted from multi-page Kuhnke product catalogues or CDRoms and any page number shown is relevant to the original document. The PDF sheets here may have been combined to provide technical information about the specific product(s) you have selected.

Hard copy product catalogues, and CDRoms have been published describing Kuhnke Pneumatics, Solenoids, Relays and Electronics; some divided into different books. A list of current publications is available on this web site or from our sales offices. Some may be available for download, but as substantially larger files.

## Contact Details

Kuhnke sales and service in the UK

H. Kuhnke Ltd  
Unit 6 Focus 303  
Focus Way, Walworth Business Park  
Andover  
Hampshire  
SP10 5NY  
United Kingdom

Tel: +44 (0)1264 364194  
Fax: +44 (0)1264 365991  
Email: [sales@kuhnke.co.uk](mailto:sales@kuhnke.co.uk)

### Important Note

The information shown in these documents is for guidance only. No liability is accepted for any errors or omissions. The designer or user is solely responsible for the safe and proper application of the parts, assemblies or equipment described.

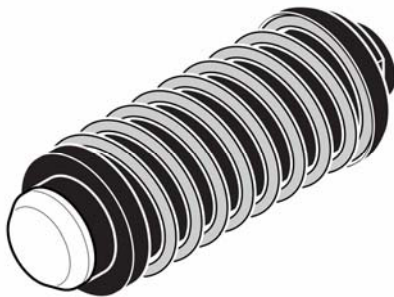
---

# Pressure Switches and Indicators

## Series 50 Indicators

Kuhnke System Logic Devices

### Visual Pressure Indicator, Panel Mounted



**50520** Red

**50521** Green

Panel mounted indicators provide a visual signal of the presence of air pressure in a pneumatic system. A black background viewed through a clear lens indicates no pressure, and a colour, the presence of system pressure. Indicators operate between 1.5 and 8 bar. Connection is via M5 port at the rear of the indicator. Mounting is via a spring locking device, and includes a front bezel. For mounting in a 13mm dia. hole.

**Dimensions:**

Length – 45mm  
Body Dia. – 15mm incl. spring  
Bezel Dia. – 15mm  
Height above panel – 8mm

**Op. Pressure:**

1.5 to 8 bar max.

**Ports:**

M5

**Material:**

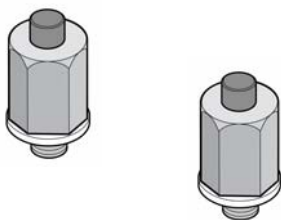
Molded polyamide.

**Drilling Plan:**

13mm dia. hole.



### Port Mounted Indicator



**50590** Red

**50591** Green

Port mounted indicators can be mounted strategically in pneumatic systems to provide visual indications of the presence of pressure. Excellent for test or trouble shooting functions on machinery.

Indicators are machined from 7mm hex brass bar and have a M5 male stud for mounting in ports. A red or green indicator pops up when line pressure is present.

**Dimensions:**

Overall length – 15.5mm  
Above thread – 13mm  
Hex shape – 7 mm  
Pop up – 1.5mm

**Op. Pressure:**

3-10 bar

**Port:**

M5 male stud.

**Material:**

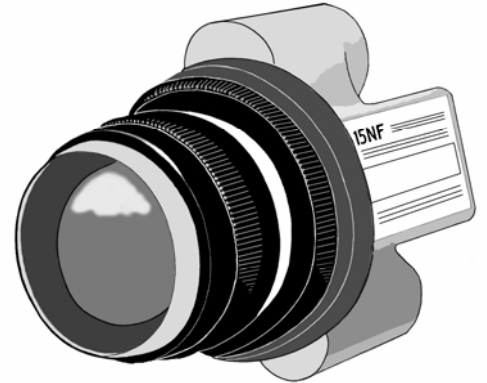
Brass body  
Nylon seal  
Plastic pop up



### Visual Pressure Indicator, Panel Mounted

Type NF indicators provide a 2 colour visual indication of the presence of air pressure in a system. Indicator colour choices are available as noted in the catalogue number selection chart. The NF provides for two modes of operation. By moving an adjustment clip, the indicator will operate with a spring return for pressure/no pressure indication, or with the use of a second port will remain in its switched position until a second pressure signal is applied returning the indicator to its original position.

Units are designed for oil tight panel mounting. Lenses and ball indicator design extend beyond panel surface to provide visual indication of position without standing directly in front of indicator.



Indicator Colours	Catalogue Number
Red - Green	<b>15NF1-RG</b>
Green – Black	<b>15NF1-GBK</b>
Red - Black	<b>15NF1-RBK</b>
Yellow - Black	<b>15NF1-YBK</b>
Amber - Black	<b>15NF1-ABK</b>
Amber - Green	<b>15NF1-AG</b>
Black - White	<b>15NF1-BKW</b>
Green - White	<b>15NF1-GW</b>

#### Operation

The rear of the indicator has 2 ports and a spring clip window. The unit is shipped with spring clip set for spring return and for the supply pressure to be connected to port 1. To reverse the colours (ie. from red-green to green-red), move the spring clip to the groove adjacent to port 1, and connect the air supply to port 2. To use the indicator in the detent mode, move the spring clip to the center position and connect the switching air inputs to both ports to control the indicator position.

#### Replacement Parts

Lens **3028**  
 Mounting nut **1074**  
 Replacement Sphere **NF5-XX** (insert colour code)

#### Technical Specifications

**Op. Pressure:**  
 1.5 to 10 bar (Detent Mode)  
 3 to 10 bar (Spring Return)

**Op. Ambient:**  
 2° C to 65° C

**Dimensions:**  
 67mm L x 38mm D x 54mm W.  
 Above panel dim. 16mm

**Connections:**  
 1/8 NPT ports

**Materials:**  
 Lens-Lexan  
 Body-ABS  
 Internal-Stainless Steel.

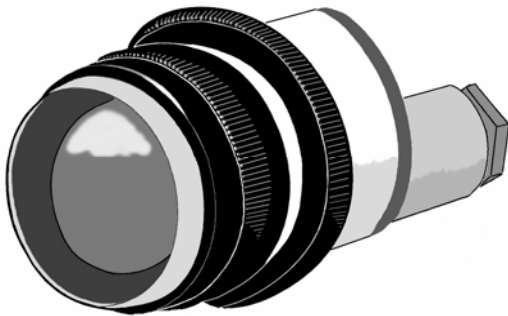
**Panel Drilling:**  
 30mm Diameter.

# Pressure Switches and Indicators

## AL Series Indicators

Kuhnke System Logic Devices

### Visual Pressure Indicator, Panel Mounted



AL indicators provide a 2 colour visual indication of the presence or absence of air pressure in a system. The indicators are available in a variety of colour choices. The AL series are fixed 2 colour units that change colour when air pressure is applied.

Units are designed for oil tight panel mounting. The rounded lens configuration provides for a 180° view of position.

Indicator Colours (Off to On colour)	Catalogue Number	
	10-32 Port	1/8 NPT Port
Red - Green	AL19-RG	AL15-RG
Green - Red	AL19-GR	AL15-GR
Green - Black	AL19-GBK	AL15-GBK
Black - Green	AL19-BKG	AL15-BKG
Red - Black	AL19-RBK	AL15-RBK
Black - Red	AL19-BKR	AL15-BKR
Yellow - Black	AL19-YBK	AL15-YBK
Black - Yellow	AL19-BKY	AL15-BKY
Amber - Black	AL19-ABK	AL15-ABK
Black - Amber	AL19-BKA	AL15-BKA
Amber - Green	AL19-AG	AL15-AG
Green - Amber	AL19-GA	AL15-GA
Black - White	AL19-BKW	AL15-BKW
White - Black	AL19-WBK	AL15-WBK
Green - White	AL19-GW	AL15-GW
White - Green	AL19-WG	AL15-WG

### Replacement Parts



Lens	<b>3028</b>
Mounting nut	<b>1074</b>
Replacement Sphere	<b>AL-XX</b> (insert colour code).

### Technical Specifications

**Op. Pressure:**  
1.5 to 8 bar

**Op. Ambient:**  
2° C to 65° C

**Dimensions:**  
40mm L x 32mm Diameter.  
Above panel dim. 16mm

**Connections:**  
10-32 ports or  
1/8 NPT ports

**Materials:**  
Lens-Lexan  
Body-ABS  
Internal-Stainless Steel.

**Panel Drilling:**  
30mm Diameter.