

# Pneumatic Warning Indicator

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## Model 4229 and 4429

### Overview

AMOT Model 4229/4429 Pneumatic Indicator offers an inexpensive, highly effective means of displaying the status of pneumatic components in a system.

### Typical applications

- Quick and reliable visual indication of pneumatic system status

### Key features and benefits

- High contrast display
- 180° Visibility
- Panel Mounted
- Seven Color Combinations Available
- Pressure Actuated, Spring Return
- Inherently Explosion-proof
- Aluminum or Stainless Steel Body
- ¼" Pipe Connection



**4429B1 Stainless  
Steel Pneumatic  
Warning Indicator**



[www.amot.com](http://www.amot.com)

# Pneumatic Warning Indicator - 4229 and 4429

## Operation

AMOT Model 4229/4429 Pneumatic Indicator is used as an accessory to provide a quick and reliable, visual indication of the status of a pneumatic system. The unit shows a black or red display in the non-pressurized condition and is designed to be panel mounted. The large 5/8" diameter "Pressure On" display is visible when pressure is applied. The high contrast between the flat black or red "At Rest" condition and the "Pressure On" display is abrupt and unmistakable. The pins which comprise the display are visible for 180° around the unit and may be ordered yellow, white, green, or red.

In the non-pressurized condition, the array of nineteen indicator pins is concealed within the matrix of the pin guide. When the minimum

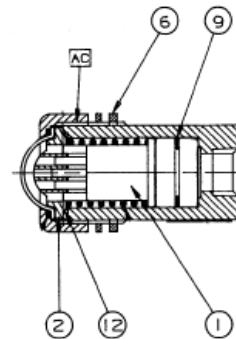
operating pressure is applied to the port, the pins extend through the matrix. They will remain in the forward visible condition until the pressure is removed. It is satisfactory for use with clean, dry air or gas in systems with pressures from 1.4 to 10.3 bar (20 to 150 psi). The Indicator does not consume air or gas in either condition. It is non-electric and inherently explosion-proof. AMOT designs and tests all products to ensure that high quality standards are met. This product should last for many years. For good product life, carefully follow AMOT's installation and maintenance instructions; failure to do so could result in damage to the equipment being protected.

## Installation factors and maintenance

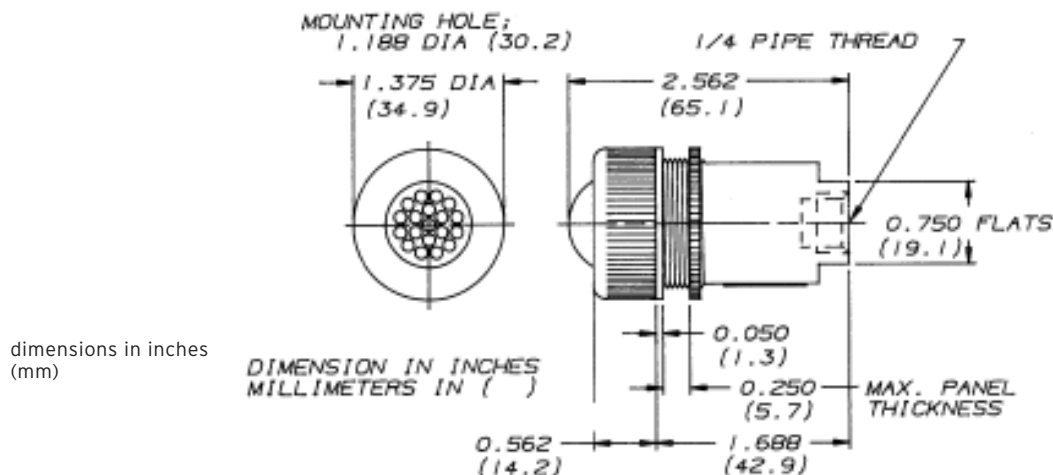
Model 4229/4429 is suitable for horizontal or vertical mounting on panels to 1/4" thick. A 1-3/16" diameter panel hole is required. Center-to-center dimension between 4229/4429 units should be 1-1/2" minimum. When mounting, first remove Nut (6). Then slip the unit into the panel hole. Install Nut (6) and secure the unit by tightening the nut. When making pipe connections, apply a quality thread sealant such as Loctite™ Pipe Sealant to pipe threads.

Periodic inspection, cleaning and lubrication is all the maintenance required on the Indicator. Seal Ring (9) should be cleaned and re-lubricated with Dow Corning No. 33 grease (AMOT No. 911L001), or replaced if damaged or leaking. When

reassembling, make sure Retaining Ring (12) is properly seated and Pin Guide (2) holes are on the Indicator Pins (1). The unit should be checked after reassembly and at least monthly for proper functioning.



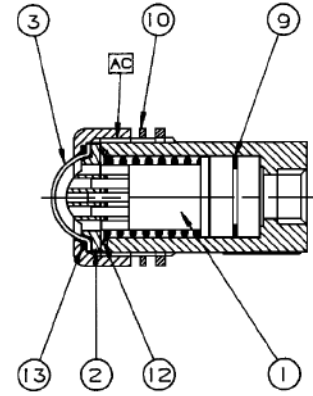
## Dimensions



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## Service Parts

Ref no.	Part no.	Qty	Description
1	9501L001	1	Yellow indicator
1	9501L002	1	White indicator
1	950IL003	1	Green indicator
1	950IL004	1	Red indicator
2	9505	1	Black guide
2	9505L001	1	Red guide
3	9506	1	Lens
9	7898L001	1	Seal ring, Buna N/ Nitrile
9	7898L002	1	Seal ring, Viton
10	9630	1	Panel gasket, Buna N/ Nitrile
12	361L093	1	Retaining ring
13	270	1	O-ring, Buna N/ Nitrile
13	712	1	O-ring, Viton



## Specification

<b>Body, bezel and nut</b>	4229B	Black gulfproofed aluminum	
	4429B	316 stainless steel	
<b>Lens and guide</b>	Polycarbonate		
<b>Indicator</b>	Polypropylene		
<b>Piston</b>	Ryton		
<b>Seal ring</b>	Standard	Buna N (Nitrile)	
	Optional	Viton	
<b>Operating pressure</b>	Minimum	1.4 bar	20 psi
	Maximum	10.3 bar	150 psi
<b>Operating temperature</b>	Minimum	2°C	35°F
	Maximum	66°C	150°F
<b>Net weight</b>	113g	4 oz	
<b>Shipping weight</b>	198 g	7 oz	

# Pneumatic Warning Indicator - 4229 and 4429

## How to order

Use the tables below to select the unique specification of your 4229/4429 Indicator.

<b>Example</b>	4229B1	C	2	-AA	<b>Comments</b>	
					<b>Port Thread</b>	<b>Material</b>
<b>Model, Thread and Material</b>	4229B1				NPT	Aluminum (Gulfproofed)
	4429B1				NPT	Stainless Steel
					<b>Pressurized</b>	<b>Unpressurized</b>
<b>Indicator Color</b>		A			Yellow	Black
		B			White	Black
		C			Green	Black
		D			Red	Black
		E			Yellow	Red
		F			White	Red
		G			Green	Red
					<b>Seal Material</b>	
<b>Seal Material</b>			1		Buna N/(Nitrile)	
			2		Viton	
					<b>Special Requirements</b>	
<b>Special Requirements</b>				-AA		

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