



MODELS 4229/4429

FEATURES

- HIGH CONTRAST DISPLAY
- 180° VISIBILITY
- PANEL MOUNTED
- SEVEN COLOR COMBINATIONS AVAILABLE
- PRESSURE ACTUATED, SPRING RETURN
- ALUMINUM, MODEL 4229B
- STAINLESS STEEL, MODEL 4429B
- 1/4" PIPE CONNECTION

HOW TO ORDER

When ordering please specify the following:

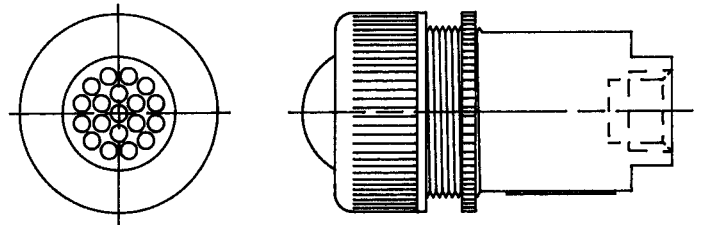
1. Indicate Model 4229B or 4429B, See Table A
2. Indicator Color: See Table B
(pressurized/unpressurized)
3. Indicate Seal Material: See Table C

This unit may be ordered using the full description as shown above or by constructing a Model No. using the Model Code System. The complete Model No. for a standard aluminum unit with yellow indicator color when pressurized and black when unpressurized is 4229B1A1.

SPECIFICATIONS

Body (4), Bezel (5), and Nut (6)	
4229B	Black Gulfproofed Aluminum
4429B	316 Stainless Steel
Lens (3), and Guide (2)	Polycarbonate
Indicator (1)	Polypropylene
Piston (8)	Ryton
Seal Ring (9),	Standard
	Buna N
	Optional
	Viton
Operating Pressure	Minimum
	20 psi (138 kPa)
	Maximum
	150 psi (1034 kPa)
Operating Temperature ...	Minimum
	35°F (2°C)
	Maximum
	150°F (66°C)
Net Weight	4 oz. (113g)
Shipping Weight	7 oz. (198g)

Pneumatic Indicator



APPLICATION

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.

OPERATION

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 20 to 150 psi.

The Indicator does not consume air or gas in either condition. It is non-electric and inherently explosion-proof. The Indicator offers an inexpensive, highly effective means of displaying the status of pneumatic components in a system.

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.

MODEL CODE SYSTEM

4229B1
4429B1 C 1 - ()
Special Requirements
(Made-To-Order (MTO))

TABLE A Model, Thread, & Material			TABLE B Indicator Color (Pressurized/ Unpressurized)		TABLE C Seal Material	
Code No.	Port Thread	Material	Code No.	Indicator Color	Code No.	Seal Material
4229B1	NPT	Aluminum (Gulfproofed)	A	Yellow/ Black	1	Buna N (Standard)
4429B1	NPT	Stainless Steel	B	White/ Black	2	Viton
4229B3	BSP* (PL)	Aluminum (Gulfproofed)	C	Green/ Black		
4429B2	BSP* (PL)	Stainless Steel	D	Red/ Black		
			E	Yellow/ Red		
			F	White/ Red		
			G	Green/ Red		

NOTE: Letters or numbers in the MTO space, other than nothing, A1 or AA, indicate the unit is built to special requirements and some of the other code numbers may not be valid. Check with the factory for full specification of such models.

INSTALLATION

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.

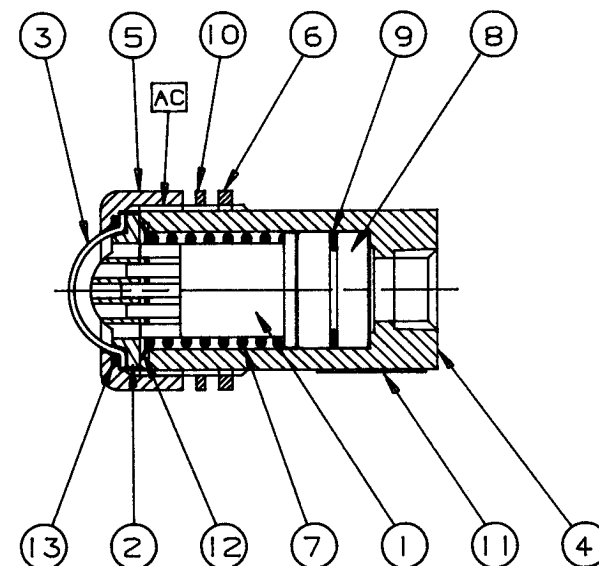
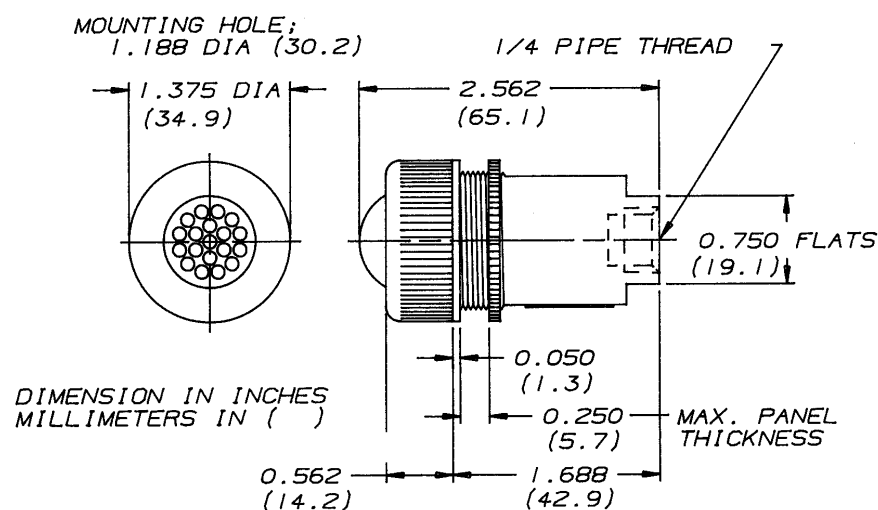
MAINTENANCE

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.

SERVICE PARTS FOR MODEL 4229 & 4429

Ref No.	Part No.	Qty.	Description
3	9506	1	Lens
9	7898L001	1	Seal Ring, Buna N (Standard)
9	7898L002	1	Seal Ring, Viton
10	9630	1	Panel Gasket
12	361L093	1	Retaining Ring
13	270	1	O-Ring, Buna N (Standard)
13	712	1	O-Ring, Viton

When communicating with AMOT regarding operation of a control, always include the description, part number, and quantity desired. If any parts are ordered by reference number only, please include the form number, revision number, and date of this brochure.



AMOT USA
8824 Fallbrook Dr
Houston, TX 77064
Tel: +1 281 940-1800
Fax: +1 510 668-8802

AMOT
Western Way
Bury St. Edmunds IP33 3SZ
Suffolk England
Tel: +44 1284 762222
Fax: +44 1284 760256

AMOT SINGAPORE
10 Eunos Road 8 # 12-06
Singapore Post Centre
Singapore 408600
Tel: +65 6293 4320
Fax: +65 6293 3307