

KOSO

***STANDARD SPECIFICATION***

***AIR LOCK RELAY***

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**KOSO**

## **KOSO** 's Control Valves and Instrumentation Systems

**KOSO**, the leading industrial control valve manufacturer with strong research and development capability of its own, has been meeting requirements of the time. Always making available a wide range of product lines that can satisfy the needs of the coming century, **KOSO** is committed to providing control valves, and the systems thereof, of highest quality and reliability, produced under its quality assurance system complying with ISO 9001 standard.

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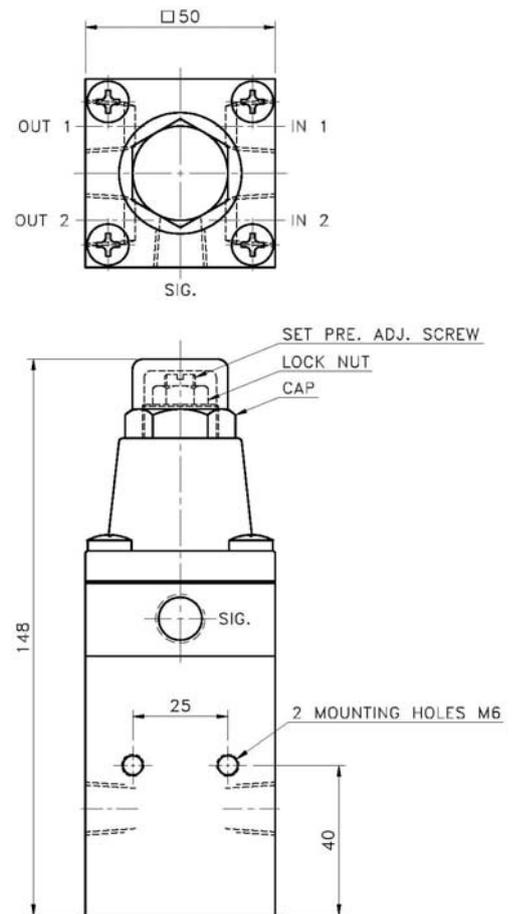
**AIR LOCK RELAY - DAR01 (Double Acting)**

**GENERAL**

Double acting Air Lock Relay is an instrument used in Pneumatically operated double acting actuators and power cylinders to hold its position (to remain in stay put condition), in the event of air failure or if the air pressure drops below the preset pressure. The airlock relay is connected between the positioner and the actuator.

**STANDARD SPECIFICATION**

1	Test Pressure	10 Kg/cm <sup>2</sup>
2	Set Pressure	1.2 to 7 Kg/cm <sup>2</sup>
3	Inlet Pressure	7 Kg/cm <sup>2</sup> Max.
4	Differential Pressure	0.1 Kg/cm <sup>2</sup>
5	Flow rate	600 NI/min. at 5Kg/cm <sup>2</sup>
6	Ambient Temperature	-5 ~ 60°C
7	Air connection	1/4" NPT (F)
8	Weight	0.90 Kg.
9	Material	Aluminium



**Air Lock Relay (DAR01)  
Double acting**

**SETTING**

Remove the cap and loose the lock nut. With the air pressure applied to both ports signal and inlet pressure, regulate the signal/Set pressure to the desired locking pressure. By rotating the setting screw clockwise or anti-clockwise locking pressure can be adjusted. Locking pressure can be checked by increasing and decreasing the signal/set pressure. Rotating the adjusting screw clockwise will increase the locking pressure and vice versa.

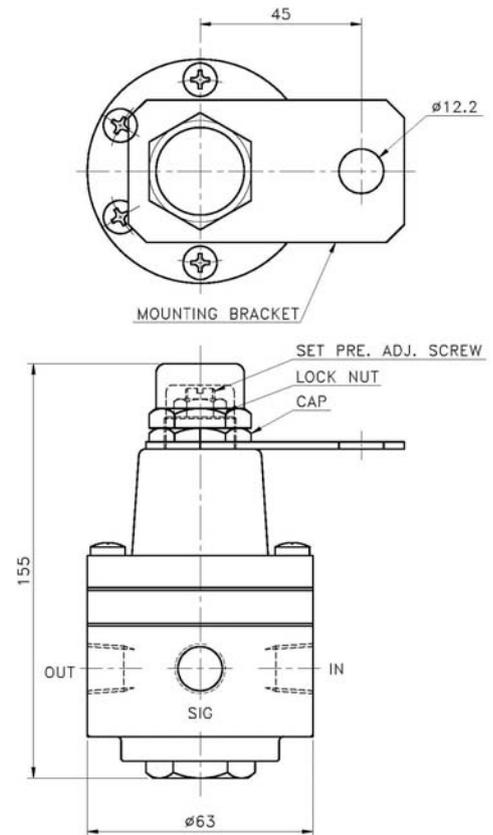
# AIR LOCK RELAY - SAR02 (Single Acting)

## GENERAL

Single acting Air Lock Relay is an instrument used in Pneumatically operated single acting (spring return) actuators and power cylinders to hold its position (to remain in stay put condition), in the event of air failure or if the air pressure drops below the preset pressure. The airlock relay resets automatically to auto mode when air pressure restores. It is connected between the positioner and the actuator.

## STANDARD SPECIFICATION

1	Test Pressure	10 Kg/cm <sup>2</sup>
2	Set Pressure	1.5 to 6.5 Kg/cm <sup>2</sup>
3	Inlet Pressure	7 Kg/cm <sup>2</sup> Max.
4	Differential Pressure	0.1 Kg/cm <sup>2</sup>
5	Flow rate	1500 NI/min. at 5Kg/cm <sup>2</sup>
6	Ambient Temperature	-5 ~ 60°C
7	Air connection	1/2" NPT (F)
8	Weight	0.80 Kg.
9	Material	Aluminium



**Air Lock Relay (SAR02)  
Single acting**

## SETTING

Remove the cap and loose the lock nut. With the air pressure applied to both ports signal and inlet pressure, regulate the signal/Set pressure to the desired locking pressure. By rotating the setting screw clockwise or anti-clockwise locking pressure can be adjusted. Locking pressure can be checked by increasing and decreasing the signal/set pressure. Rotating the adjusting screw clockwise will increase the locking pressure and vice versa.