DOUBLE ACTING AIR LOCK UP RELAY

SPECIFICATION

Model PD 10 S
Service Air
Max. input Pressure 10 Kg/cm²
Ambinet Temperature -40°C to 80° C
Signal range 20-100 PSI (1.4~7 kg/cm²)
Pneumatic Connection 1/4" NPT /BSP
Flow Capacities > 600 L / min. for each Port
Dead band 0.025/kg/cm²
Diaphragm Neoprene /EPDM /VITON with nylon insert
Body LM-6
Internals Brass / SS with Neoprene/EPDM seat
Mounting On the actuator by a bracket

SALIENT **FEATURES**

Quick Response ● High Sensibility and Reliability ● Longer Life ● Easy to Install ● Trouble Free Service ● Low cost ● Soft Seating to Ensure zero Leak

PRODUCT **DESCRIPTION**

Philair make double acting air lock up relay is used in conjunction with double acting power cylinders for locking air in both the chambers of cylinders when ever the main supply pressure falls below a pre-set valve.

PRODUCT **OPERATION**

The unit is mounted between output lines of double acting positioner and chambers of power cylinder. The supply pressure ("Signal") connected to the relay is sensed by a spring loaded diaphragm and the thrust developed enables a pilot valve to open. The Out put From the pilot Valve acts on another Diaphragm and the thrust developed by it acts upon a piston, which opens both the ports simultaneously. Reduction of supply pressure causes downward movement of upper diaphragm subassembly, resulting in reduction of pressure above lower diaphragm. The Piston moves upward and the valve is closed to block this air in power cylinder.