



SPECIFICATION

Model PD S10S
Supply Pressure 7 Kg/cm²
Set Pressure 2~6.5 Kg/cm²
Flow Rate > 600 NI/Min at 5 kg / Cm²
Air Consumption Less than 0.5 NI/Min
Hysteresis Within 1%
Ambient Temp -5°C~60°C
Port Size 1/4" NPT(F)
Material SS

SALIENT FEATURES

Compact Design • Quick response • High Stability
 & Reliability • Longer life • Easy to Install • Trouble
 Free Services • Economically Priced • Soft Seating
 for Bubble Tight Shut Off

PRODUCT DESCRIPTION

Philair make Double Acting Air Lock up relay is used
 in conjunction with double acting power cylinders
 for locking the air in both chambers of cylinder
 whenever the main supply pressure falls below a
 pre-set value

PRODUCT OPERATION

The unit is mounted between output lines of double
 acting positioned 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
 output from the pilot valve acts on a piston and the
 thrust developed by it acts upon the plunger, which
 opens both the ports simultaneously. When mal-
 function in the control signal circuit occurs pres-
 sure holding above the piston. Downwards is lost
 through the exhaust valve inlet valves closes with
 spring return and the circuit is sealed. This closed
 condition will continue until the signal pressure is
 established to the original level.