



SPECIFICATION

Model PL 30SF/ PL 50SF
Max. Input Pressure 7.5 Kg / cm²
Sig Range 2-7 kg /cm²
Ambient Temp -5°C -80°C
Port Size 3/4" NPT / 1" NPT
Material Aluminium

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 Airlock relay FLDC/FLDO is a reliable unit for achieving stay put condition of control valves on air supply failure. The air pressure is blocked inside the diaphragm chamber of the actuator, when the supply pressure fails below the set value.

PRODUCT OPERATION

The supply pressure (SIG) 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 a piston and the thrust developed by it act upon the plunger, which open the inlet valve to outlet, when malfunction in the control signal circuit occurs pressure holding above the piston downwards is lost through the exhaust, inlet valve closes with the spring return and the circuit is sealed this closed condition will continue until the signal pressure is established to the original level.

A manual relief valve is provided in the unit for vent actuator pressure to fail lock drift close or fail lock drift open position of control valves within a time period, also for vent actuator pressure when control valve hand wheel is operated to avoid possible damage to the actuator diaphragm