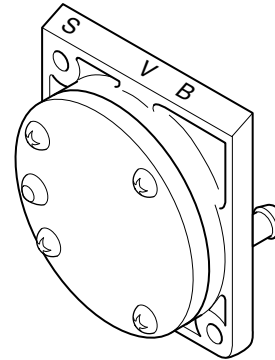


Pneumatic Signal Repeating Relay

The signal repeating relay is a proportional device for use in pneumatic control systems where it is desirable to repeat a pneumatic signal accurately, such as the output signal from a pneumatic transmitter which must be transmitted to receiver controllers or indicators at multiple locations. In addition to accurately repeating the input signal, use of the relay minimizes transmission lag by increasing the volume of signal air to devices located remotely from transmitter (see Figure 1).

This device may also be used as a signal blocking relay and as a signal limiting relay.



Features:

- Signal-repeating relay; repeats transmitter signal to multiple pneumatic devices at remote locations. Non-adjustable.
- May be used for signal-blocking applications.
- May be used with two adjustable restrictors as High/Low Signal-Limiting Relay.
- All ports clearly labeled. Ports align with 22-120 socket terminals.
- Mounts on MCS-S-P Socket Kit or 22-150 mounting bracket.

Model Chart

Model No.	Replaces Model No.	Port Connections	
		Port	Connected to
2379-501	R534	S	Input signal
		B	Branch output
		V	Vent

Specifications

Operation	
Signal repeating application	Restricted main air at port B will accurately track the input pressure at port S.
Blocking application	With no air pressure applied at port S, ports V and B are connected. With air pressure at port S, ports V and B are blocked.
Construction	Glass-filled nylon.
Maximum ambient temperature	140°F (60°C).
Supply air pressure	Clean, dry, oil free air required (refer to EN-123).
Nominal	20 psig (138 kPa).
Maximum	30 psig (207 kPa).
Connections	Barbed fittings for 1/4 in. O.D. polyethylene or 5/32 in. I.D. polyurethane tubing.
Air consumption	1728 scim (7.9 mL/s).
Air flow capacity	1728 scim (7.9 mL/s).
Adjustments	Non-adjustable.
Mounting	Designed for use on 22-120 socket. This device can also be mounted by using the 22-150 mounting bracket.
Dimensions	2-1/16 H x 1-7/8 W x 61/64 D in. (52 x 48 x 24 mm).

Accessories

Part Number	Replaces Model	Description
22-150	K502	Mounting bracket.
21-153	N100-2501	28.8 scim restrictor.
20-802	N100-46	Adjustable restrictor.
21-038	N100-0010	Restrictor tee, polyethylene tubing.
22-120	—	Socket.
MCS-S-P	—	Socket kit.

Typical Applications

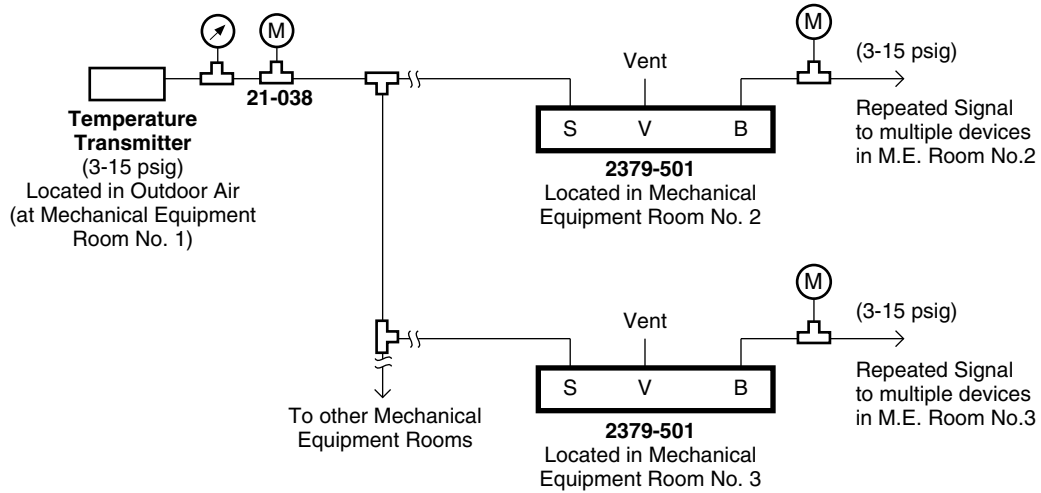


Figure 1 Typical Application.