FAIRCHILD





GENERAL INFORMATION -

MODEL 22 COMPUTING RELAY

APPLICATIONS

The Model 22 Computing Relay is designed to perform functions such as totalizing, amplifying or reducing, inverting, differential, averaging and subtracting. Adjustable positive and negative bias add flexibility to the range of application possibilities.

FEATURES

Performance

• Small Bleed Across Relief Seat assures fast response to small signals.

Functional

- Multiple Inputs allow versatility in process control.
- Adjustable Bias Range from -18 to +15 psig increases versatility in output pressure configurations.

Physical

• Two Gauge Ports, located 90° from supply and outlet ports, allows versatility in installation.

NOTE: -

The information for this catalog sheet is being upgraded to electronic format and will be available soon. Please go to the Information Request section of this web site to order the latest printed revision.

— ORDERING INFORMATION -

Catalog Number	2 2		
Function			
Totalizing Differential Amplifying Inverting Totalizing Differential Amplifying Differential 1:1 Ratio		(11)	
Differential On-Off	(P=S if B <u>+</u> K>C) or (P=S if B <u>+</u> K <c)< td=""><td>(21)</td><td></td></c)<>	(21)	
Reverse On-Off	(P=S if K>C) or (P=S if K <c)< td=""><td></td><td></td></c)<>		
Direct On-Off	(P=S if B+K>C) or (P=S if B+K <c)< td=""><td></td><td></td></c)<>		
Reducing	$(P = \underline{\frac{B + K}{2}})$	(22)	
Averaging	(P = A + B + K)		
Totalizing	(P= A+B+C+K)	(31) ¹	
Totalizing	(P= A+B+C+D+K)	(41) ¹	
Totalizing Differential	(P= A+B-C+D+K)	(42) ¹	
Pipe Size			
1/4" NPT			(2)
3/8" NPT			(3)

Symbol Key	
A, B, C, D	Signal Pressure
K	<u>+</u> Spring Bias
S	Supply Pressure
Р	Output Pressure







¹ 1/4" NPT Pipe Size Only.