

Ruelco



MP-4 Indicating Relay

Model 1901

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MP-4

Indicating Relay

FEATURES

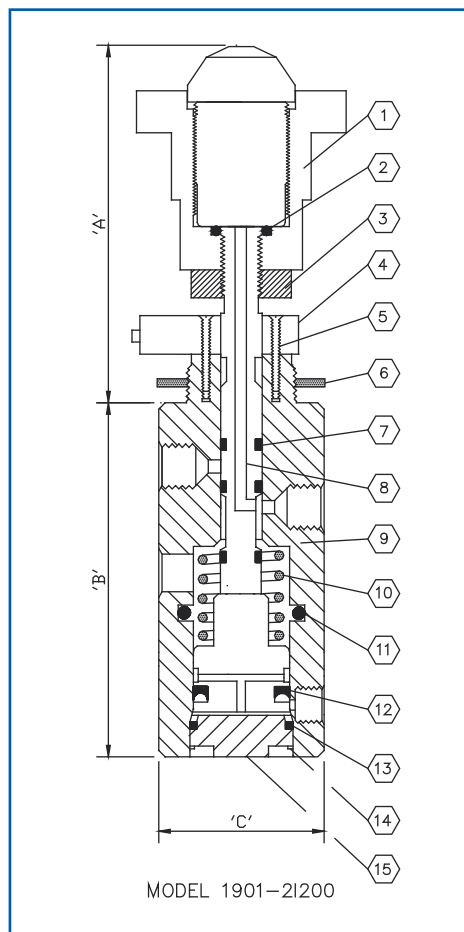
- 316 stainless steel construction (models to N.A.C.E. MR0175 available).
- Easy to close with pilot signal pressures as high as 100 PSI.
- Can be repaired without removing relay from system or panel.
- 'Lock closed' design prevents relay from automatically opening.
- Viton and nitrile seals are utilized for dependability.
- Design minimizes malfunctions due to supply system debris.
- Inconel X-750 20 PSI spring assures dependability in most corrosive environments (optional 30 PSI spring available).
- Indicating knob with Green/Red visual status of relay operation.

OPTIONS

- 30 psi closing spring
- Stem protector to prevent external debris accumulation on relay shaft

GENERAL DESCRIPTION:

The Ruelco MP-4 indicating relay is a multi-pressure control valve for production control and safety systems. It functions as a manual reset, pilot operated, normally closed, block and bleed valve. Its simple and compact design makes maintenance and repair easy. The MP-4 does not need to be removed from its control panel or system loop if repair or maintenance is necessary. The visual indicator on the knob will switch between green and red as the operating condition of the relay changes.



Parts List For MP-4 Relay

Item	Qty.	Description	Material	Part No.
1	1	INDICATING KNOB ASSY.	316 ST. STL.	19-018-000
2*	1	KNOB SEAL	VITON	V0-108-70H
3	1	LOCK NUT	316 ST. STL.	T8-08K-0F3
4	1	DETENT ASSEMBLY	316 ST. STL.	10-005-000
5	1	SCREW	316 ST. STL.	T3-632-0G3
6	1	PANEL MOUNT NUT	316 ST. STL.	10-006-000
7*	3	SHAFT SEAL	VITON	V0-009-90T
8A	1	SHAFT ASSEMBLY WITH DELRIN PISTON	316 ST. STL. W/ DELRIN	19-016-000
8B	-	S.S. PISTON	316 ST. STL.	19-016-001
9	1	BODY	316 ST. STL.	19-001-0A0
10A	1	SPRING (20 PSI.)	INCONEL X-750	10-024-000
10B	1	SPRING (30 PSI.)	INCONEL X-750	10-017-000
11*	1	BODY SEAL	VITON	V0-118-75T
12*	1	PISTON SEAL	NITRIL	NU-209-70H
13*	1	BASE SEAL	VITON	V0-019-75H
14*	1	RETAINING RING	316 ST. STL.	S2-910-093
15A	1	DELRIN BASE	DELRIN	19-004-000
15B	-	ST. STL. BASE	316 ST. STL.	19-004-001
18	-	REPAIR KIT	* ITEMS	19-019-000

Specifications P.S.I. (BAR)

VALVE BODY MAX. W.P.	150 (10.3)
PILOT CAP MAX. W.P.	125 (8.6)
AMBIENT TEMP. RANGE	-20 TO 250° F -29 TO 122° C
MINIMUM PILOT SIGNAL PRESSURE TO HOLD RELAY OPEN	25 (1.7) WITH 20 PSI SPRING 35 (2.4) WITH 30 PSI SPRING
Cv FACTOR	.34

Dimensions In. (MM)

'A'(CLOSED/OPEN)	2.36/2.85 (60/72.4)
'B'	3.25 (82.5)
'C'	1.5 (38.1)
INLET & OUTLET PORTS	1/4" FNPT
PILOT PORT	1/8" FNPT
PANEL MOUNT HOLE	1.0 (25.4)
MAX. PANEL THICKNESS	.18 (4.6)
WEIGHT	1.6 LB. (.72 KG.)

Ordering Code: 1901 X 2 | X X 0

