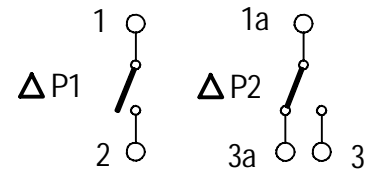


CIRCUIT DIAGRAM



SPECIFICATION:  
PROTECTION CLASS: IP 65

ELECTR. DATA:	SWITCHING VOLTAGE $V_{\sim}$ MAX.=	250	220
	FREQUENCY HZ MAX.=	0-60	0-60
	SWITCHING CURRENT A MAX.=	1	0.8
	MAKING AND/OR BREAKING CAPACITY		
	WVA MAX.=	60/60	40/60

MATERIAL : HOUSING MADE OF GD-ALUMINIUM  
ALL PARTS IN CONTACT WITH MEDIUM UNDER PRESSURE OF VA-STEEL

RATING : MAX. PRESSURE 160 BAR  
MAX. TEMPERATURE 150°C

RANGES OF PRESSURE DIFFERENTIAL	DELTA P =	0 - 0.5 BAR	} TO BE SPECIFIED WHEN ORDERING
		0 - 0.8 BAR	
		0 - 1.2 BAR	
		0 - 2.0 BAR	
		0 - 3.0 BAR	

DESCRIPTION:

THE PURPOSE OF THIS DEVICE IS THE MEASUREMENT, AND VISUAL INDICATION OF THE DIFFERENCE IN PRESSURE BETWEEN TWO POINTS, AND THE ESTABLISHMENT OF AN ELECTRICAL CONTACT WHEN THE PRESSURE DIFFERENTIAL ATTAINS A SPECIFIED FIGURE.

METHOD OF OPERATION:

A PLUNGER SEALED BY A DIAPHRAGM SEPARATES THE SPACE UNDER PRESSURE INTO TWO CHAMBERS. A PRE-LOADED SPRING CAUSES THE PLUNGER TO TAKE UP ITS ZERO POSITION WHEN THE PRESSURE DIFFERENCE DELTA P IS ZERO. AS THE PRESSURE DIFFERENCE INCREASES (DELTA P > 0), THE PLUNGER IS FORCED TO MOVE AGAINST THE SPRING. AT THE SAME TIME, AN INDICATOR DISC IS MOVED MAGNETICALLY, AND THEREFORE VIRTUALLY WITHOUT FRICTION, AND THE TWO REED CONTACTS ARE ACTUATED.

THE RED SEGMENT OF THE INDICATOR DISC IS VISIBLE OVER A PRESSURE RANGE EQUAL TO APROX 50-100% DELTA P. THE FIRST REED CONTACT IS ACTUATED AT 75% DELTA P1, AND THE SECOND AT 100% DELTA P2.

**DIFFERENTIAL PRESSURE CONTACT INDICATOR TYPE 4.46.2**