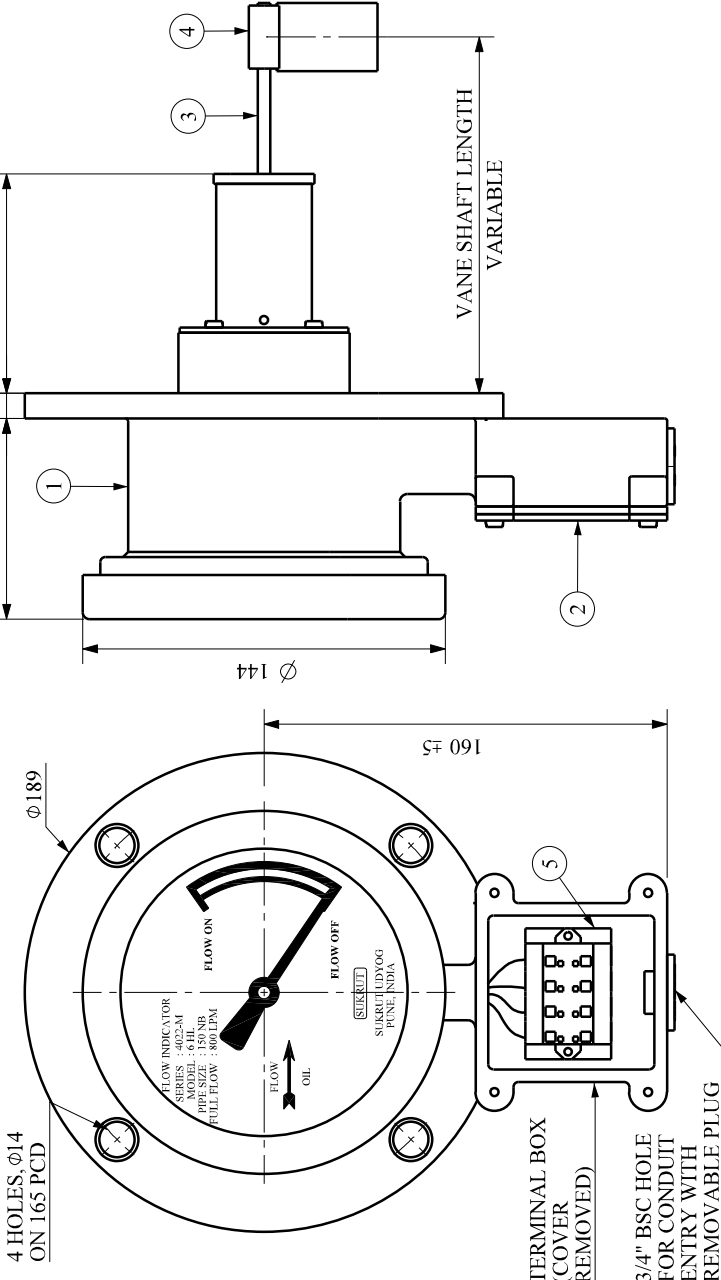


FIG. NO.1 : FI MODEL: 402X-M



NOTES:

1. THE MICRO SWITCH IS POSITIONED BELOW DIAL, HENCE NOT VISIBLE.
2. THE FI WILL BE AVAILABLE WITH BOTH SINGLE AND DOUBLE SWITCHES.
3. CALIBRATION AS PER ORDER.
4. FI CAN WORK ONLY FOR SPECIFIED DIRECTION OF FLOW.
5. T-MOUNTING IS SUPPLIED AS AN ACCESSORY ONLY IF ORDERED.
6. ON UPSTREAM SIDE, AREA REDUCTION NOZZLE WILL BE PROVIDED IF THE SPECIFIED FULL FLOW IS INADEQUATE.
7. MOUNTING DIMENSION, 4 HOLE Ø14 ON 165 PCD MAINTAIN. OTHER DIMENSIONS IN DRAWING ARE FOR REFERENCE ONLY, THEY WILL NOT BE PART OF INSPECTION SCHEDULE
8. SWITCH OPERATION AT THE TIME OF FLOW FALLING ONLY AS PER SELECTED SERIES (70% TO 80% APPROX) REGULAR STANDARD
9. VANE SHAFT LENGTH IS DEPENDENT ON MAIN PIPE SIZE DIAMETER.
10. ALL DIMENSIONS ARE IN MM.

SPECIFICATIONS:

- NOMINAL DIA. : 100 MM
- LIQUID : WATER OR TRANSFORMER OIL.
- PIPE : 50 TO 250 NB (2" TO 10")
ONLY ONE SIZE AT A TIME.
- SWITCH : 1 OR 2 MICRO SWITCHS.
- ENVIRONMENT : INDOOR OR OUTDOOR USE.
- WORKING TEMPERATURE : 0 TO 100°C OF LIQUID IN PIPE.
- WORKING PRESSURE : 0 TO 4 Kg/cm²

ROUTINE TESTS:

1. LEAKAGE TEST AT 7 KG/CM² (FOR FI BASE)
2. FLOW INDICATOR IS CHECKED AT SPECIFIED RATE OF FULL FLOW.
3. SWITCH OPERATION.
4. HV TEST 2KV AT 1MIN.

PART LIST FOR FIG. NO. 1

SR. NO.	DESCRIPTION	MATERIAL	QTY.
5	WAGO PRESS TERMINALS	-	1
4	VANE	BRASS	1
3	VANE SHAFT	SS	1
2	COVER FOR TERMINAL BOX	ALUMINUM	1
1	MAIN BODY	ALUMINUM	1

DRN		VBS	SHEET :1/3	
CHD	SMA		SUKRUT UDYOG	
APR	USM		9/1 A ERANDAWANE	
DATE	11.10.18		PUNE-4110004	
SCALE	N.T.S.		TITLE: FLOW INDICATOR	
SIGN			SERIES : 402X-M	
DESCRIPTION	DATE		DRG. NO: CS-FI-402X-M-R8	
ALTNO	AUTHO			

FIG. NO. 2 :-WIRING DIAGRAM

A. SINGLE SWITCH

SERIES:- 4021-M

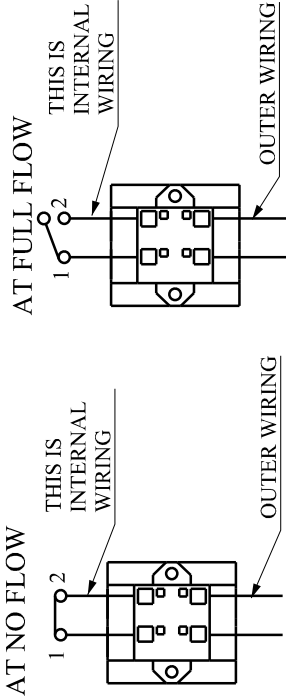


FIG. NO. 3 :-WIRING DIAGRAM

B. DOUBLE SWITCH

SERIES:- 4022-M

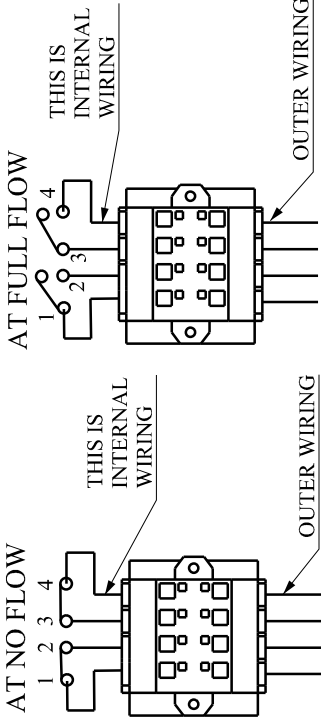
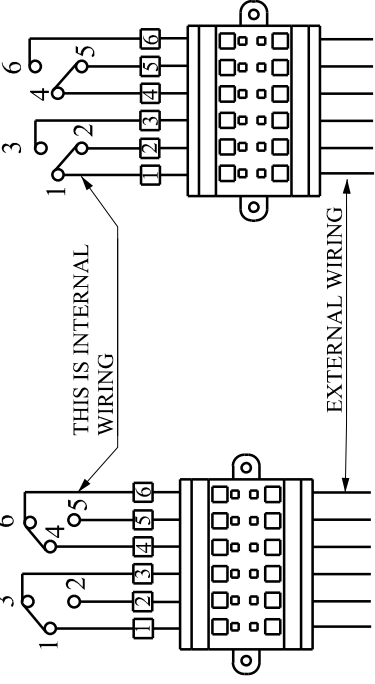


FIG. NO. 5 :-WIRING DIAGRAM FOR CHANGEOVER DOUBLE SWITCH

SERIES:- 4022-M

CONTACT POSITION AT NO FLOW

SWITCH NO.1 NO.2



COMMON 1,4
NORMALLY OPEN 1-2, 4-5
NORMALLY CLOSED 1-3, 4-6

CONTACT POSITION AT FULL FLOW

SWITCH NO.1 NO.2

NOTE :-

1. CONTACT RATING
5A 240 V, AC,
0.25A 240 V, DC.
2. FOR SWITCH OPERATION AT THE TIME OF FLOW FALLING-

FOR SINGLE SWT. - APROX 70% (ALARM)

FOR DOUBLE SWITCH

SWT.1 - APROX 80% (ALARM)

SWT.2 - APROX 70% (TRIP)

SHEET : 2/3

SUKRUT UDYOG

9/1 A ERANDAWANE

PUNE-4110004

TITLE: FLOW INDICATOR

SERIES : 402X-M

DRG. NO: CS-FI-402X-M-R8

