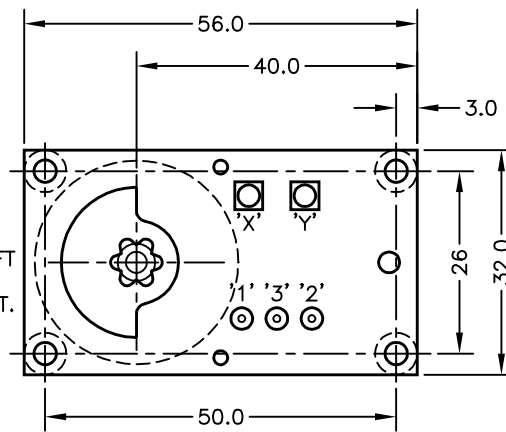
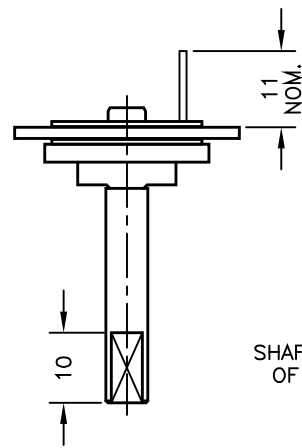


STANDARD
(CODE 'A')

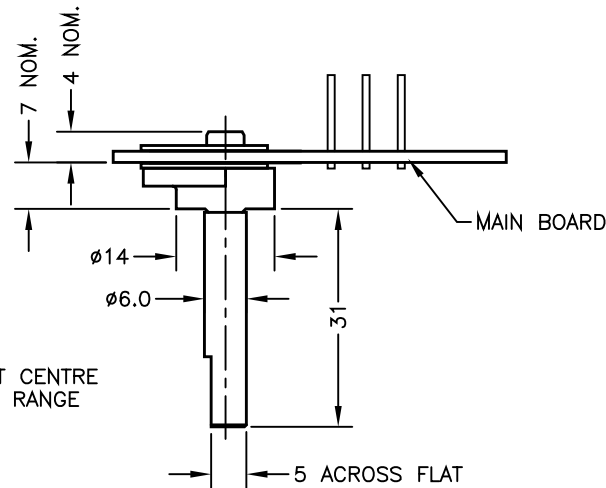
DIRECTION OF SHAFT
ROTATION FOR
INCREASING OUTPUT.



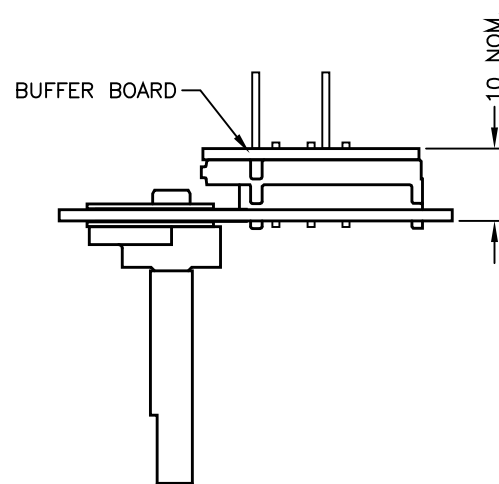
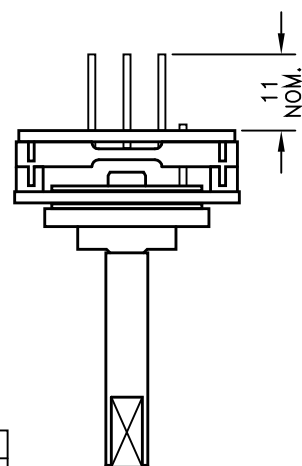
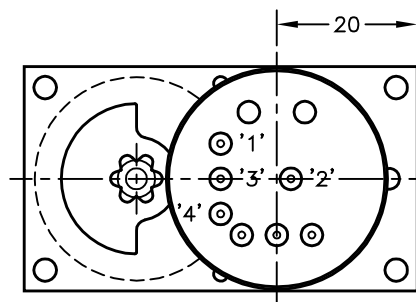
'X' GAIN ADJUSTMENT.
'Y' OFFSET ADJUSTMENT.



SHAFT SHOWN AT CENTRE
OF CALIBRATED RANGE



BUFFERED
(CODES 'B' - 'H')



ELECTRICAL OPTIONS/ SPECIFICATIONS

OUTPUT OPTION	OUTPUT	SUPPLY	
A	0.5 TO 4.5V RATIO METRIC	5V	STANDARD
B	±5V	±15V	
C	0.5 TO 9.5V	24V	BUFFERED
D	±10V	±15V	
E	0.5 TO 4.5V	24V	
G	SUPPLY CURRENT 12mA TYP. 20mA MAX.	24V	
F	4 TO 20mA 2-WIRE	24V	
H	4 TO 20mA 3-WIRE SINK	24V	
	4 TO 20mA 3-WIRE SOURCE	24V	

SINK VERSION OUTPUT COMPLIANCE 5-28V
SOURCE VERSION DRIVE 300Ω MAX TO 0V

SOLDER PINS

- :1 +Ve
- :2 OUTPUT
- :3 0V
- :4 -Ve - OPTIONS: B OR D

RANGE OF DISPLACEMENT FROM 20° TO 160°,
IN INCREMENTS OF 1°.

SHAFT MATERIAL:- STAINLESS STEEL.
PCB MATERIAL:- FR-4, 1.6mm THICK.

MOUNTING NOTES:

MAIN AND BUFFER CIRCUIT BOARDS ARE DOUBLE SIDED,
ALLOW 3.5mm FROM BOARD SURFACES FOR COMPONENTS.
4 Ø3.2 MOUNTING HOLES WITH Ø6 CLEARANCE - BOTH SIDES.
THE RADIAL POSITION OF THE SHAFT MUST BE CONTROLLED
BY THE CUSTOMER.

THE END FLOAT OF THE SHAFT IS SET BY THE SENSOR AND
SHOULD NOT BE CONTROLLED BY NOT BE CONTROLLED BY
THE CUSTOMER.

H	REDRAWN, OPTIONS B & G ADDED.	PDM
I	HUB ROTATED 180 - RAN200	PDM
J	HUB ORIENTATION AS REV H - RAN257	PDM
K	PINS ADDED- RAN281	RDS
L	ADDITIONAL DIMS/VIEWS ADDED.	PDM

DRAWINGS NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEDURE.
CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED
BY THE AUTHORISED PERSON
THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.



H	06/10/06		CHECKED BY	X	±0.4
I	18/02/08		RDS	X.X	±0.2
J	24/11/09			X.XX	±0.1
K	21/07/10				DIMS mm
L	06/07/11	DESCRIPTION			
		P503 RIPS FLAT ROTARY SENSOR ASSEMBLY			
		SCALE	DRAWING NUMBER	P503-11	REV L
		10mm			
					SHEET 1 OF 1