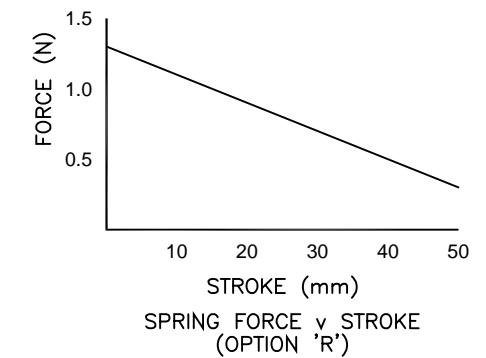


ELECTRICAL OPTIONS/ SPECIFICATIONS
OUTPUT SUPPLY
 0.5 TO 4.5V RATIOMETRIC 5V
 SUPPLY CURRENT 12mA TYP. 20mA MAX.
 CABLE LENGTH, OPTION 'Lxx', ORDERED IN cm, 50cm STANDARD OR AS REQUIRED, 1500cm MAX.
 3-CORE SCREENED: 0.2mm², Ø4mm PUR JACKET
 CABLE/CONNECTOR CONNECTIONS*;
 3 CORE CONNECTOR
 RED :1 +Ve
 BLACK :3 0V
 WHITE :2 OUTPUT
 SCREEN :4 BODY
 *CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm²
 RANGE OF DISPLACEMENT FROM 2mm TO 100mm, IN INCREMENTS OF 1mm.
 BODY MATERIAL: STAINLESS STEEL.
 FLANGE MATERIAL: STAINLESS STEEL (CODE 'N')
 FURTHER OPTIONS:
 SINGLE PAIR OF BODY CLAMPS 'P'
 SPRUNG PUSH-ROD, TO EXTENDED POSITION (CODE R)
 DOME END (CODE T) IN CONJUNCTION WITH SPRUNG PUSH-ROD (CODE R)*
 PUSH-ROD FREE (CODE 'V')
 N.b. NOT AVAILABLE WITH SPRUNG OPTIONS.

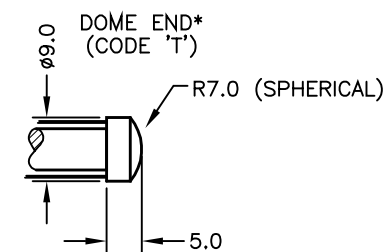
NOTE:- READ INSTALLATION SHEET M103-19 FOR FULL INSTRUCTIONS FOR USE.

ATEX APPROVED TO
 I/II M1/1GD
 EEx ia I/IIc T4 (Ta= -40° to +80°C)
 Ex iaD 20 T135°C (Ta= -40° to +80°C)
 Ui 11.4V, Ii 0.2A, Pi 0.51W
 APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.



NOTE: SENSORS WITH TRAVEL UPTO 50mm ARE MADE TO STANDARD LENGTHS.

TRAVEL (mm)	BODY LENGTH: (mm)	
	'X' STANDARD	'Y' FLANGE
2 - 10	N/A	81.3
11 - 20	N/A	91.3
21 - 30	N/A	101.3
31 - 50	N/A	121.3
51 - 100	N/A	71.3 + TRAVEL



A	FIRST ISSUE.	PDM
B	START OF TRAVEL ADDED OPTION N	PDM
C	FLANGE TH'KNES ADDED.	PDM
D	Ii 0.2A WAS 0.46A - RAN266	PDM
E	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.

POSITEK

LIMITED

A	30/11/06		CHECKED BY RDS	x	±0.4
B	7/10/09			x.x	±0.2
C	05/01/10			x.xx	±0.1
D	21/04/10	DESCRIPTION			
E	05/07/11	M103 INTRINSICALLY SAFE SHORT STROKE LINEAR POSITION SENSOR			
SCALE 10mm		DRAWING NUMBER M103-11		REV	E
10mm		SHEET 1 OF 1			