

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

TRAVEL: (mm)	BODY LENGTH: (mm)				
	'X' STANDARD		'Y' FLANGE		
CALIBRATED MECHANICAL	O/P 'A'	O/P 'C'/'G'	O/P 'A'	O/P 'C'/'G'	
0-2 TO 0-10	10	72.5	77.5	78.0	83.0
0-11 TO 0-20	20	82.5	87.5	88.0	93.0
0-21 TO 0-30	30	92.5	97.5	98.0	103.0
0-31 TO 0-50	50	112.5	117.5	118.0	123.0

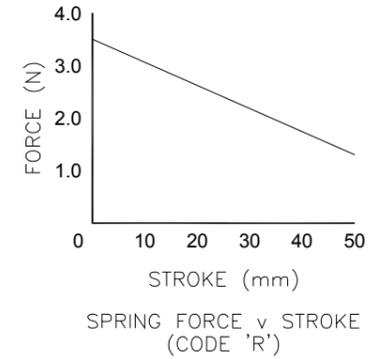
ELECTRICAL OPTIONS/ SPECIFICATIONS

OUTPUT OPTION	OUTPUT	SUPPLY	
A	0.5 TO 4.5V RATIOMETRIC	5V	STANDARD
C	0.5 TO 9.5V	24V	} BUFFERED
G	0.5 TO 4.5V	24V	
H	4 TO 20mA	24V	

SUPPLY CURRENT 12mA TYP. 20mA MAX. PLUS O/P CURRENT
 CABLE: 0.2mm², O/A SCREEN, PUR JACKET – SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm. e.g. 'L50'
 3-CORE: JACKET 4mm

CABLE/CONNECTOR* CONNECTIONS;
 3 CORE CONNECTOR
 RED :1 +Ve
 BLACK :3 0V
 WHITE :2 OUTPUT
 SCREEN :4 BODY

*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.25mm²
 RANGE OF DISPLACEMENT FROM 0-2mm TO 0-50mm e.g.36, IN INCREMENTS OF 1mm.
 BODY MATERIAL:- STAINLESS STEEL.
 FLANGE BASE MATERIAL:- STAINLESS STEEL (CODE 'N')
 FURTHER OPTIONS:
 SINGLE PAIR OF BODY CLAMPS (CODE 'P')
 SPRUNG PLUNGER, TO EXTENDED POSITION (CODE 'R')
 DOME END (CODE 'T') IN CONJUNCTION WITH SPRUNG PLUNGER (CODE 'R')*
 PLUNGER FREE (CODE 'V')
 N.b. NOT AVAILABLE WITH SPRUNG OPTIONS.



A	FIRST ISSUE	PDM
B	LENGTHS MODIFIED - RAN498	PDM
C	STROKE 2-10 WAS 10 - RAN1063, OPTION 'J' ADDED - RAN1068.	PDM
D	RANGE NOTE AMENDED ~ RAN1200	PDM
E	4 TO 20mA ADDED RAN1256	RDS



THE PLUNGER RETRACTS 8mm FROM START OF CALIBRATED TRAVEL (2mm FOR SPRUNG VERSIONS) AND EXTENDS 11mm* BEYOND END OF MECHANICAL TRAVEL. *DOES NOT INCLUDE DIFFERENCE BETWEEN CALIBRATED AND MECHANICAL TRAVEL, DIMENSIONS ARE NOMINAL. 'V' CODED PLUNGER WILL DEPART SENSOR BODY.

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.



A	21/11/13	CHECKED BY X ±0.4 X.X ±0.2 X.XX ±0.1 DIMS mm
B	21/05/14	
C	25/11/15	
D	06/09/17	DESCRIPTION
E	06/09/18	P118 SHORT STROKE SLIM-LINE LINEAR POSITION SENSOR
SCALE 10mm		DRAWING NUMBER P118-11 REV E
		SHEET 1 OF 1