

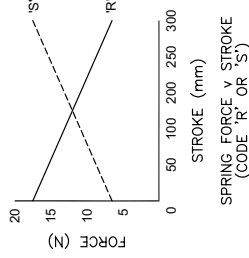
**ELECTRICAL OPTIONS / SPECIFICATIONS**

**OUTPUT SUPPLY**  
0.5 TO 4.5V RATIO METRIC 5V  
SUPPLY CURRENT 12mA TYP. 20mA MAX.  
CABLE: 0.2mm<sup>2</sup> O/A SCREEN, PUR. JACKET - SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX).  
STANDARD 3-CORE: JACKET Ø4.6mm BLACK e.g. 'L50'  
OPTIONAL 5-CORE: JACKET Ø4.6mm BLUE e.g. 'L050'

**CABLE/CONNECTOR\* CONNECTIONS:**  
3 CORE 5 CORE CONNECTOR  
RED : 1 +Ve  
BLACK : 3 0V  
WHITE : 2 -SENSE (5-WIRE ONLY)  
SCREEN : 4 OUTPUT

\*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm<sup>2</sup>  
RANGE OF DISPLACEMENT FROM 0-5mm TO 0-800mm e.g.76, IN INCREMENTS OF 1mm.

BODY MATERIAL: STAINLESS STEEL.  
FURTHER OPTIONS:  
SINGLE PAIR OF BODY CLAMPS 'P'  
TWO PAIRS OF BODY CLAMPS 'P2'  
SPRING RETURN PUSH-ROD; TRAVEL ≤300mm  
RETURN TO EXTENDED POSITION (CODE 'R')  
RETURN TO RETRACTED POSITION (CODE 'S')  
PUSH-ROD FREE (CODE 'V') - NOT AVAILABLE WITH SPRING OPTIONS.  
GAIN AND OFFSET ADJUSTMENTS NOT AVAILABLE WITH RADIAL BODY, CODE 'Ixx' AND 'K', OPTIONS.

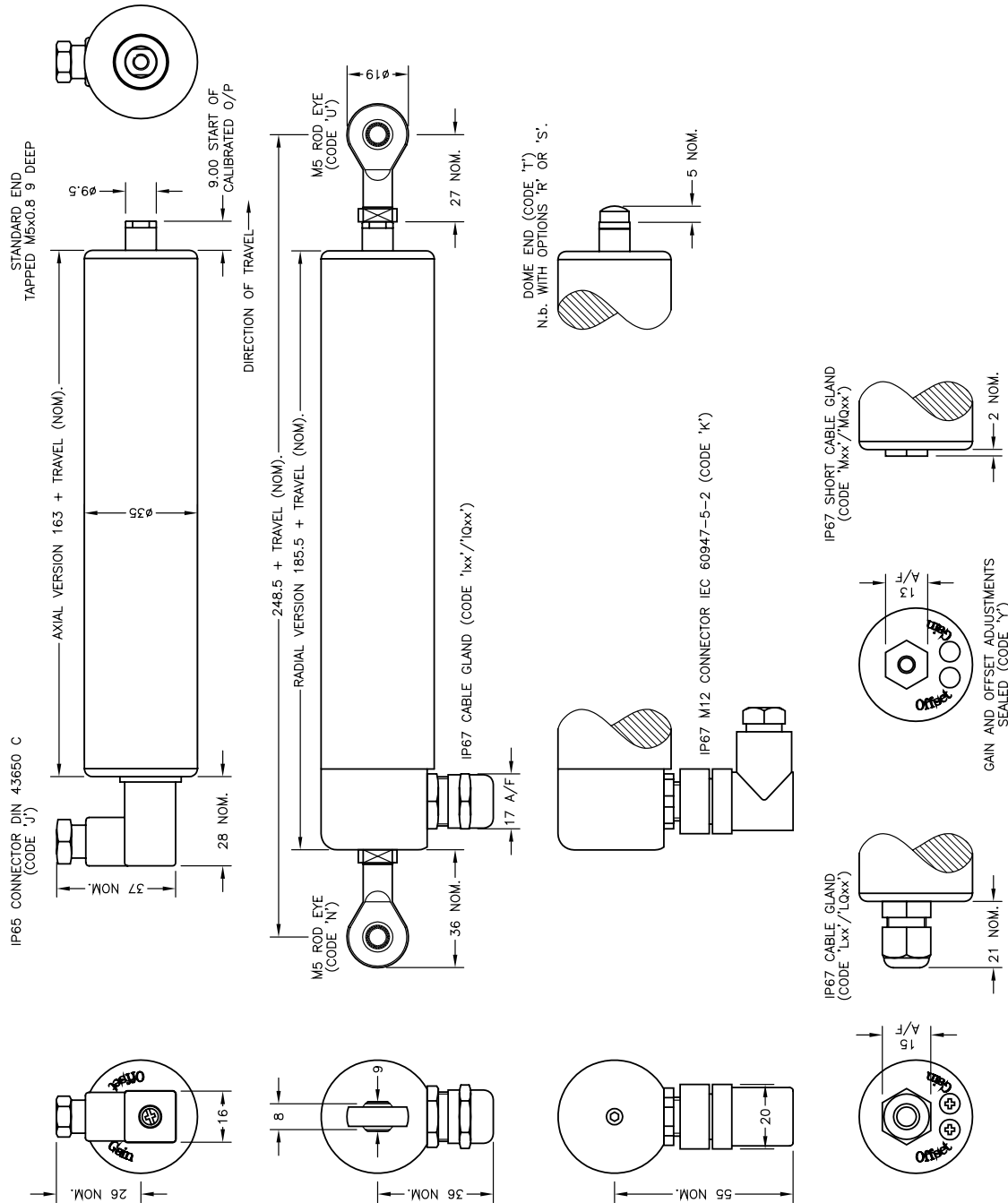


NOTE:- READ INSTALLATION SHEET 6000-19 FOR FULL INSTRUCTIONS FOR USE.

CSA APPROVED TO  
Class I Zone 0  
Ex/AE ia IIC T4 (Ta = -40 to 80°C)  
UL 114V, II 0.2A, PI 0.51W  
APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.  
NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

A	07/03/13	CHECKED BY	X	±0.4
B	08/04/14	RDS	X.X	±0.2
C	28/07/15		X.XX	±0.1
D	19/11/15	DESCRIPTION	G101 INTRINSICALLY SAFE STAND ALONE LINEAR POSITION SENSOR	
E	07/04/17			
F	29/08/17			
SCALE		DRAWING NUMBER	G101-11	REV
12.5mm		NUMBER		OF
				1

N.b. ROD-EYE ORIENTATION NOT GUARANTEED.



THE PUSH-ROD RETRACTS A FURTHER 4mm NOM. FROM START OF CALIBRATED TRAVEL. STANDARD VERSIONS, THE PUSH-ROD EXTENDS A FURTHER 8mm NOM. FROM END OF CALIBRATED TRAVEL, FOR SPRING VERSIONS: 'R': 1mm, 'S': 2mm, 'V' CODED PUSH-ROD WILL DEPART SENSOR BODY.



A	FIRST ISSUE.	PDM
B	SPRING OPTIONS 300 WAS 250 - RAN 473.	PDM
C	OPTIONS 'R' & 'S' OVER TRAVEL DIMS MODIFIED.	PDM
	- RAN1030.	PDM
D	FRANGE WAS 50-500mm RAN1056	RDS
E	5-CORE OPTION ADDED - RAN1102	PDM
F	FRANGE NOTE AMENDED - RAN1200	PDM

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