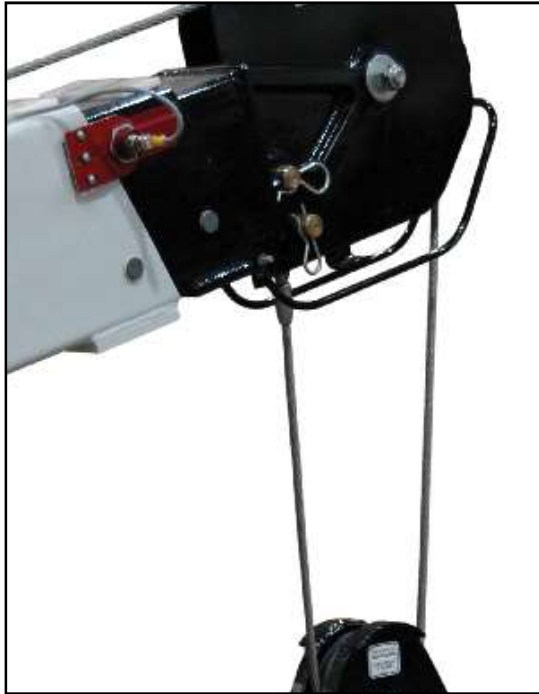


LP30 - NON-CONTACT LINEAR POSITION

Alternative to wire-reel method for linear extension measurement



LP30 Linear Position *incremental or absolute non-contact*

- J1939 CAN Bus incremental or absolute linear
 - Totally sealed IP69K (*connector dependent*)
 - Non-contact with wide sensing range
 - Compact housings for simple integration
 - MILSPEC 202 ratings for shock and vibration
 - 1/4" to 1" resolution standards
 - Custom resolution and magnet assemblies available
 - Intelligent and rugged replacement to wire-reel cable / string-pot boom measure systems



STANDARD OPERATING CHARACTERISTICS

ELECTRICAL		Outputs	A - 1939	J1939, Addressable, Incremental position <i>(attached message sheets S3 ; I2 / 5 - 7)</i>
		Input Power	6 to 30 VDC (30 mA)	
		Electrical Protection	Over-voltage, reserve-voltage, output short-circuit protected	
		LED Indicators	Power, J1939 communication status	
		Connections	M12, M12 Pigtail, Flying Lead Cable, Shielded Flying Lead, or Deutsch - 4 or 6 pin	
		Resolution	1/2" or 1/4" (<i>custom resolution packages available, contact Joral</i>)	
MECHANICAL		Housing Diameter	30mm	
		Housing Material	Aluminum or Stainless Steel (<i>corrosion resistant</i>)	
		Housing Height	1.2" (30.5mm) body; 1.86" (47.2mm) w/ M12 connector	
		Mounting	30mm thread (<i>standard proximity switch thread style</i>)	
		Weight	1.0 oz w/o mounting nuts; 2.2 oz w/ recommended mounting nuts	
		Magnet strip / sensor gap*	Standard 0.5"	
ENVIRONMENTAL		Operating Temperature	-40° to +80° C	
		Storage Temperature	-40° to +90° C	
		Humidity	100%	
		Shock	400g/6ms (MIL STD 202)	
		Vibration	5 to 3000 Hz, 20g (MIL STD 202)	
		Protection Class	IP69K (<i>connection dependent</i>)	

* Non-contact tolerances rated using MAG-STRP magnet accessory.

LP30 GENERAL ORDERING GUIDE

Code 1: Housing Style	Code 2: MagElec (Sensor Output)	Code 3: Connection	Code 4: Special Codes
LP30 PE30 red aluminum, for 1/2" extended thread add 61 to end of P/N. Increases total shell body by 1/2" LP30 Modifier Stainless Steel: LP30 - [Code 2] - [Code 3] - 51 Code 54 for stainless steel corrosion resistant housing 30mm non-contact	A - 1939 J1939, Addressable, Incremental signal <i>* More outputs and connection options available, contact Joral if desired configuration is not listed</i>	M12 M12 male	51 Red Aluminum
		M12P M12 male on 18' pigtail	53 Black Aluminum
		CXX Flying lead cable (enter XX as inches)	54 Stainless Steel
			61 Extended Thread
		SCXX Shielded cable (enter XX as inches)	DE4 DT04 - 4 pin male Deutsch
			DE6 DT04 - 6 pin male Deutsch

General dimensions found on next page (S3 ; I2 / 3 - 4)
 J1939 setting/status message found on pages three and four (S3 ; I2 / 5 - 7)

