#### **RLP-L2S** ROLLER LOW PROFILE WITH HALL EFFECT SENSOR

### **FEATURES**

- · Minimum width, low profile roller that provides smooth, precise fingertip control in one axis.
- Contactless hall effect technology for a long working life.
- Twin channel configuration for redundancy.
- Green light on paddle.
- Detent version available (RLP-D).
- Two sizes of paddle available.
- Indoor use.

MECHANICAL SPECIFICATIONS	
Rotation angle:	±30°
Body material:	acetal resin
Colours available:	grey, blue, green, yellow, black
Operating temperature range:	-25°C / +85°C
Electronics sealed to:	IP 68
Life:	> 5.000.000 cycles

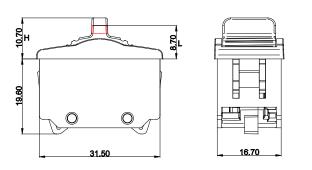
### **ELECTRICAL SPECIFICATIONS** VDC ±5% Supply voltage (Vcc): 2.5 VDC ±2% of VCC Signal output @ rest: Full output signal range: 0.5 - 4.5 V, ±4% of VCC Current consumption at rest: SNCH (S1 only) 15 mA TWCH (S1/S2) 25 mA Rated output current: 1 mA Connection type: connector = AMP CT 6 poles 179228-6

### **ELECTRICAL CONNECTIONS**

#### RLP-L2S-SNCH (single chan.) RLP-L2S-TWCH (twin chan.)

(1) Red: +5 VDC (1) Red: +5 VDC (2) Black: (-) ground (2) Black: (-) ground (3) Yellow: output 1 (S1) (3) Yellow: output 1 (S1) (4) Green: led enable (-) (4) Green: led enable (-) (5) Blue: output 2 (S2)

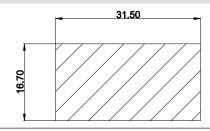
## **OVERALL DIMENSIONS**



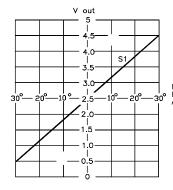
H: High Paddle (std) L: Low Paddle



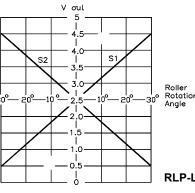
## PANEL CUT-OUT



# **OUTPUT SIGNAL CONTROL CHARACTERISTIC**



RLP-L2S/ SNCH (single channel)



Rotation Angle

RLP-L2S-TWCH (twin channel)

RLP ORDERING INFORMATION: see page JK7

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.