

**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**

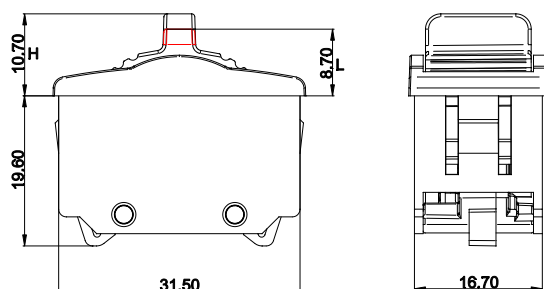
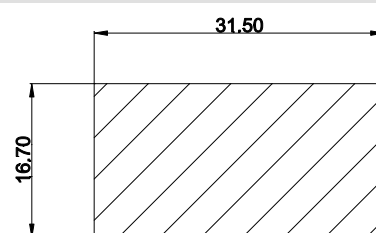
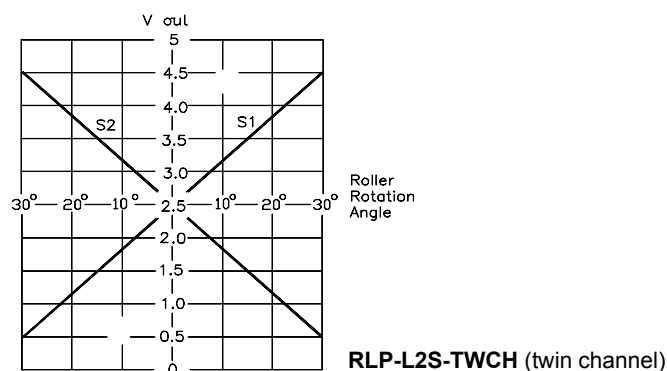
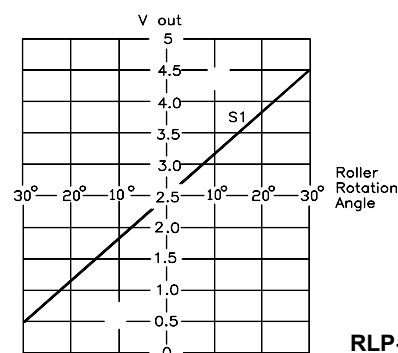
Rotation angle:	$\pm 30^\circ$
Body material:	acetal resin
Colours available:	grey, blue, green, yellow, black
Operating temperature range:	$-25^\circ\text{C} / +85^\circ\text{C}$
Electronics sealed to:	IP 68
Life:	> 5.000.000 cycles

**ELECTRICAL SPECIFICATIONS**

Supply voltage (Vcc):	VDC $\pm 5\%$
Signal output @ rest:	2.5 VDC $\pm 2\%$ of VCC
Full output signal range:	0.5 - 4.5 V, $\pm 4\%$ 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 ORDERING INFORMATION: see page JK7**