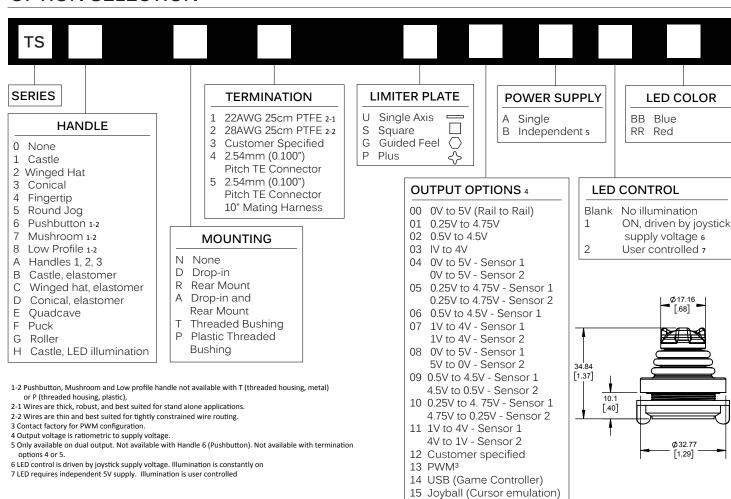


## TS SERIES New LED illuminated option



## **KEY FEATURES**

- New LED backlighting options in red or blue
- Low consumption current draw no greater than 16mA
- Overmolded polycarbonate "castle" actuator
- IP67 above panel sealed
- LED function: Constant on or user controlled



MECHANICAL SPECIFICATIONS (X & Y AXIS)				
- - - - - -	3.1N ±0.5N (0.70lbf ±0.11lbf) <sup>2</sup> 200N (45lbf) <sup>2</sup> 150N (33.7lbf) <sup>2</sup> 50° X & Y axis (subject to limiter plate) 1 million cycles 18.25g ±5.0g (0.64oz ±0.18oz) Spring centering			
	IANICAL SPECIFICA - - - - - - -			

	ENVIRONMENTAL SP	PECIFICATIONS
Operating Temperature Storage Temperature Above Panel Sealing EMC Immunity Level EMC Emissions Level ESD	- - - - -	-40°C to +85°C (-40°F to +185°F) -40°C to +85°C (-40°F to +185°F) IP67, IP69K ¹ (subject to mounting styles & final spec) EN61000-4-3 EN61000-6-3:2001 EN61000-4-2

Technology		Hall effect sensors, single or dual	
	_		
Supply Voltage Range	_	$5.00V \pm 0.01VDC$	
Supply current	_	11mA max	
Ratiometric Output Options	_	See options on data sheet	
Reverse Polarity Max	_	-10V	
Transient Overvoltage Max	_	16V	
Start-up time	_	15ms max	
Output Impedance	_	2Ω	
Return to Center Voltage Tolerance	_	±200mV initial	

<sup>&</sup>lt;sup>1</sup> All options are IP68 and IP69K rated, however drop-in mounting does not prevent panel ingress

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<sup>&</sup>lt;sup>2</sup> Force applied to the top of the castle cap