

T70-D: RELAY OUTPUT TYPE SINGLE-AXIS DUAL-WAY TILT SWITCH

■ PRODUCT DESCRIPTION

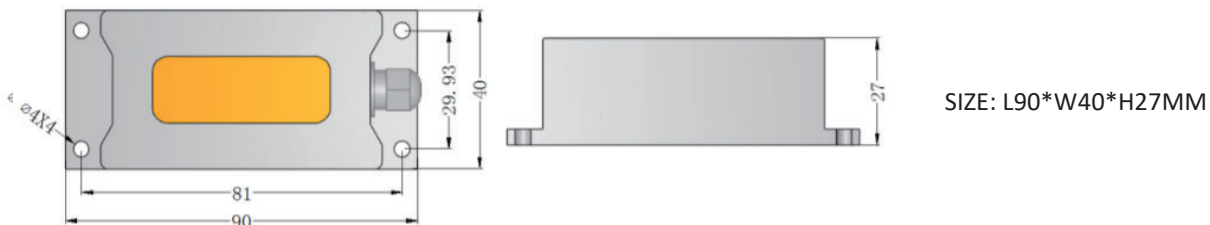


T70-D is a high-performance relay output single-axis dual-channel digital tilt switch launched by MXMW Hi-Tech Company. The product has a measurement range of $0\sim\pm 180^\circ$ and two built-in relay output circuits. When the inclination angle value is greater than the preset alarm threshold, a non-inductive contact relay signal (driving current 1A) will be output, and the solenoid valve will be opened to perform corresponding hydraulic leg leveling. The alarm threshold is calibrated at the factory, and users can also set the alarm angle threshold by themselves.

■ PRODUCT MAIN SPECIFICATION

Parameter	Conditions	T70-D	Unit
Measuring range		± 180	$^\circ$
Measuring axis	Y axis (optional)	X axis	
Alarm axis	Y axis (optional)	X axis	
Frequency response	DC response	100	Hz
Resolution	Bandwidth 5Hz	0.01	$^\circ$
Accuracy	$-40 \sim 85^\circ\text{C}$	0.1	$^\circ$
Long term stability	$-40 \sim 85^\circ\text{C}$	0.1	$^\circ$
Power-on start time		0.5	s
Output signal	Relay (normally open and normally closed) output, RS232 and TTL optional at the same time		
Average working hours	≥ 55000 hours/time		
Impact resistance	3500g, 0.5ms, 3 times/axis		
Anti-vibration	10grms、10 ~ 1000Hz		
Insulation resistance	$\geq 100\text{M}\Omega$		
Waterproof level	IP67		
Cable	Standard 1.5 meter-length, wear-resistant, oil-proof, wide temperature, shielded cable 5*0.3mm ²		
Weight	150g (excluding packaging box)		

■ PRODUCT DIMENSION



■ PRODUCT APPLICATION

- High-voltage power line tower monitoring
- Aerial work vehicles
- Pan/tilt leveling
- Charging piles and towers
- Forklifts, pile foundation
- Mining machinery, oil drilling equipment
- Monitoring based on tilt/inclination sensor
- Hydraulic lift table
- Medical equipment
- Angle control of various construction machinery