

APS72-792-S90V

Contactless Throttle Position Sensor

Suit Tilton Sensor Mounts



- Hall Effect non-contact Technology
- Long Life—extremely robust
- Custom programmed 90° angle optimised for Tilton Linkages
- IP68 Protection
- Dual channel (redundant output)
- Suitable for use with Tilton part no. 72-792 & 72-794 mounts

Specifications

Mechanical

Typical Life Cycle >50 million movements (restriction by mechanics)

Torque < 0.1 Ncm

Measuring range 360° redundant, signal 1 cw, signal 2 ccw

Housing High grade temperature resistant plastic

D-Shaft Nylon 66

Environmental

Operating temperature -40°C to +125°C (Short term 150°C)

Vibration 5...2000 Hz; Amax = 0.75 mm;
amax = 20g to IEC 60068-2-6

IP rating IP68 (minimum)

Electrical

Supply Voltage 5V +/- 0.5V

Output signal Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start & end voltage)

Independent linearity +/- 0.5% of each signal range

Isolation resistance 200 MΩ (500 VDC, 1 bar, 2s)

Repeatability <= 0.2% (dependent on mounting tolerances)

Wiring	Channel 1 (CW)	Channel 2 (CCW)
Power Supply (+5V)	Red	Green
Signal	White	Yellow
Ground	Black	Blue