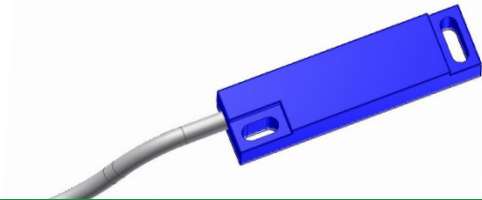


Part Number: PDT1004
45° Smart Tilt Sensor
Product Data Sheet

PICTURE

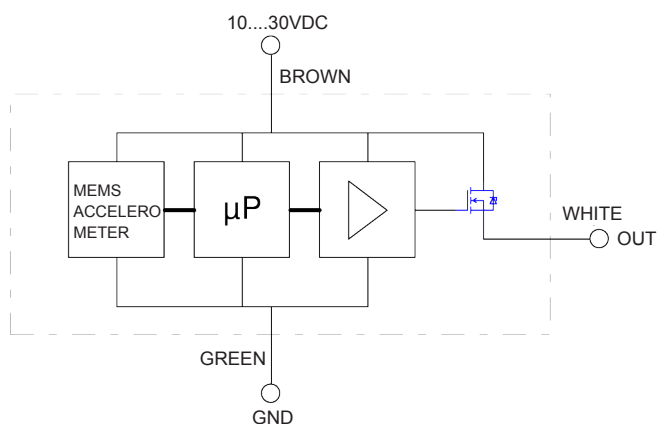


✓ **RoHS Compliant**

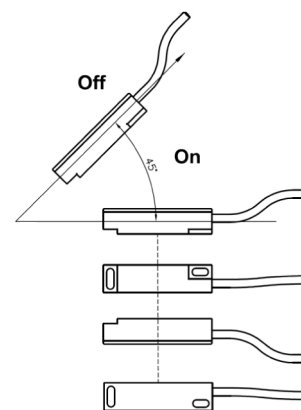
FEATURES

- MEMS based sensor
- No mechanical parts
- Smart signal conditioning by micro-controller
- Short circuit, overload protection
- Thermal shutdown

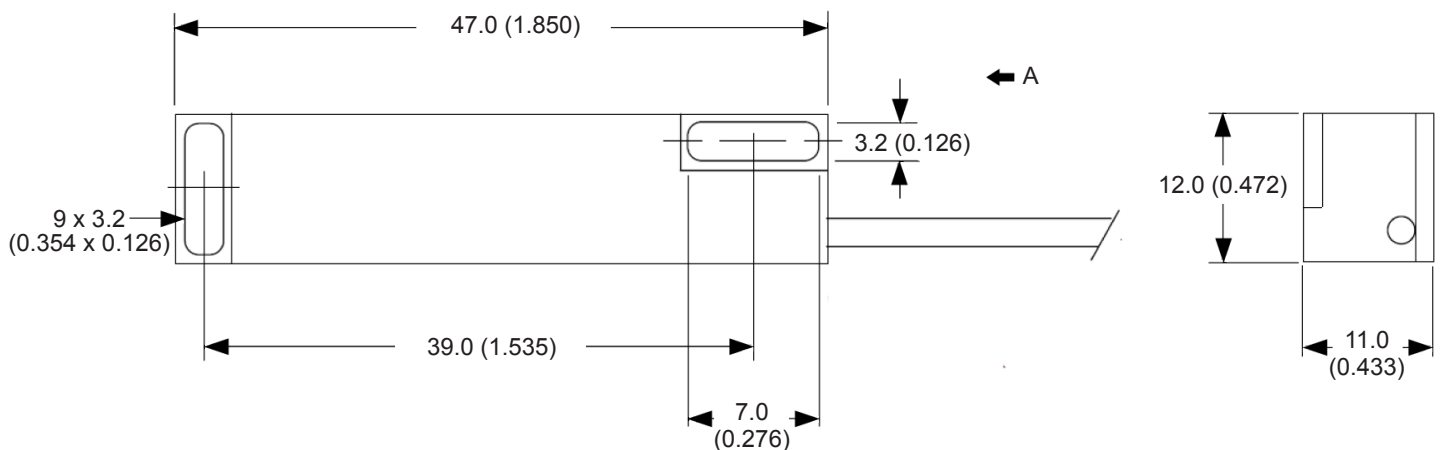
CIRCUIT DIAGRAM



ACTIVATION



DIMENSIONS



Drawings not to scale.
 All dimensions in mm (inches) nominal.

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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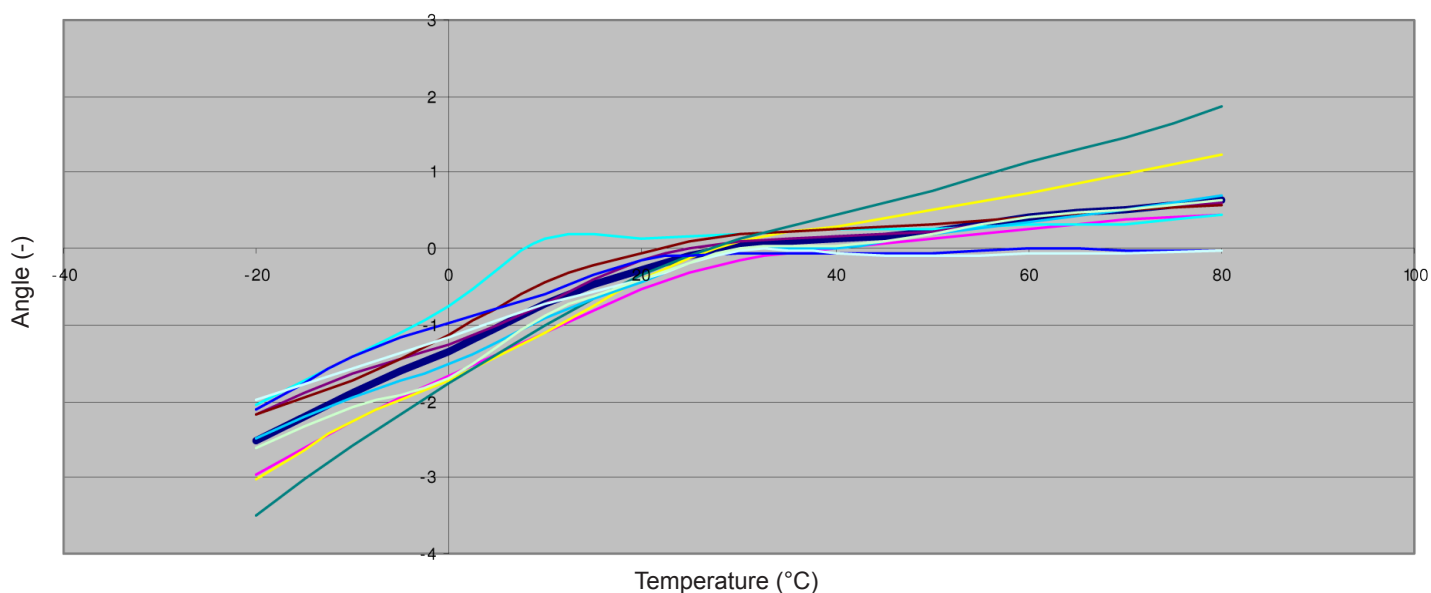
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SPECIFICATION		
Supply Voltage	10 - 30	VDC
Supply Current Max @ Vs = 24V	7	mA
Off-State leak. Current Max	25	μA
Load Current Max (Vs = 12V @ 25°C)	1.5	A
Overvoltage Shutdown Max	42	V
Switch Angle	45 ± 0.3	°
Zero Level Change vs Temperature Delta from 25°C	±0.04° see below	°/°C
Protection	IP67	
Housing Material	ABS	
Connection Cable	3 x 0.15mm ² LIYY	
Operation Temperature	-20...+80	°C

CURVE CHARACTERISTICS



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