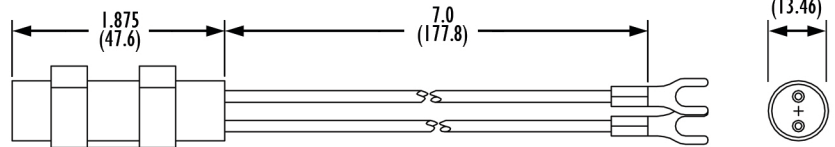
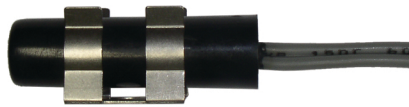


**Part Number : PD5005-7TC**  
**2.5 A Hybrid Tilt Switch - Mercury Free**  
**Product Data Sheet**



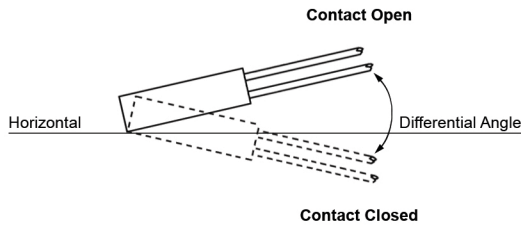
**PICTURE** **DIMENSIONS**



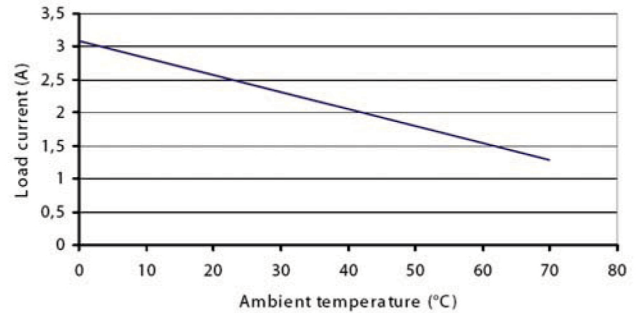
**✓ RoHS Compliant**

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

**OPERATION**



**Derating Diagram with duty cycle of 100%**



FEATURES	
Technology:	Hybrid Electronic-electromechanical
Switching Voltage:	280 VAC Max.
Switching Capacity:	2.5 A 4A Max. 1 minute on time (duty cycle of 80%)

**OPTION**

Adaptations of insulation, cable length and termination available upon request.

**SPECIFICATION**

Output	HIGH COMMUTATION TRIAC
Load Voltage Range	24 to 280 VAC
Peak-off State Voltage	600 V <sub>drm</sub>
Off-State Leakage Current Max.	30 μA
Load Current Range Continuous	0.1 to 2.5 A (@ 23°C ambient)
Surge Current 1 Half Wave	30 A <sub>peak</sub>
I <sup>2</sup> t For Fusing	5.1 A <sup>2</sup> s
On-State Voltage Max.	1.5 V <sub>peak</sub>
Off-State (Static) dV/dt min.	400 V/μs
Operation Temperature	-25° +70°C
Case Material	ABS
Cable	2 x #18(.75mm <sup>2</sup> ) Neoprene Insulated
Differential Angle Max.	15°



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.

Phone: (1) 973 777 6900 [www.comus-intl.com](http://www.comus-intl.com) Fax: (1) 973 777 8405

Belgium: + 32 (0)12 390400 - France: + 33 (0)1 43 96 86 10 - Assemtech, UK: +44 (0) 1255 862236  
 ©2006 Copyright Comus International, 454 Allwood Road, Clifton NJ 07512, USA