

## PyrOnode Thermal Actuator - Product Data



For more information,  
Contact [sales@pyroptic.com](mailto:sales@pyroptic.com)

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### Description

PyrOnode is the robust over temperature alarm at the heart of PyrOptic Hot-Spot detection technology. PyrOnodes are attached to individual connections and monitored for activation by Plastic Fibre Optic (POF), PyrOnode cuts the POF when heated past the alarm temperature.

### Applications

- Switchboards and switchgear
- Motors and generators
- Bus bars
- Transformers
- Bearings

### Product Image



### Specifications

Feature	Data	Notes
Body Material	Brass	
Seal Material	PTFE (Teflon)	
Expansion Medium	Polyethylene Wax	
Body Outer Diameter	6.35mm ± 0.05mm	
Body Overall Length	22.00mm ± 0.05mm	
Sensor Mass	3.4gms	
Protective Case	W9.5 x H10.5 x L23.5	
Case Material	PA6 (Polyamide)	
Maximum Fiber Diameter	1.0mm ± 0.1mm	
Installation Temperature	-40 ~ 200°C	No Physical Deterioration
Alarm Temperature (AT) Selection	77°C(V75), 92°C(V90), 106°C(B105), 112°C(V110)	Custom activation temperatures can be manufactured, please contact us to discuss your application
Alarm Accuracy	+/- 2°C	
Pre-Alarm Grab Temperature	AT - 4°C (maximum)	Temperature below the Alarm Temperature at which the POF begins to be damaged

Please contact PyrOptic sales for pricing - [sales@pyroptic.com](mailto:sales@pyroptic.com)

<b>PyrOnode ORDERING CODE</b>		
PYR <b>AAA</b> BCC-DDD	077, 082, 092, 100, 106, 112	Alarm temperature °C
PYRAA <b>A</b> BCC-DDD	B = Busbar Bolted Lug C = Cable Bolted Lug T = Tunnel Lug	Fixing type
PYRAA <b>ABC</b> C-DDD	06, 08, 10, 12, 16	Fixing size (mm) bolt diameter or tunnel lug width
PYRAAABCC- <b>DDD</b>	004, 006, 010, 016, 025, 035, 050, 070, 95, 120, 150, 185, 240, 300, 400,	Conductor cross sectional area (mm <sup>2</sup> ). Omit for Busbar and Tunnel Fixings
	*Provide details of custom requirements with order	Contact <a href="mailto:sales@pyroptic.com">sales@pyroptic.com</a> to discuss your requirements