

## PyrOnode Thermal Actuator - Product Data



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

Version FEB22

### 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	
Maximum Fiber Diameter	1.0mm ± 0.1mm	
Installation Temperature	-40 ~ 200°C	No Physical Deterioration
Alarm Temperature (AT) Selection	70°C, 76°C, 82°C, 88°C, 94°C, 100°C, 106°C	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> -BCD	070, 076, 082, 088, 094, 100, 106°C	Alarm temperature
PYR-AAA- <b>B</b> CD	1 = M6, 2 = M8, 3 = M10, 4 = M12, 5 = M16, 6 = TUNNEL TAB, 7 = CUSTOM*	Specify bolt diameter or tunnel style connector attachment
PYR-AAA- <b>BCD</b>	FOR RING LUGS 01 = 4mm <sup>2</sup> , 02 = 6mm <sup>2</sup> , 03 = 10mm <sup>2</sup> , 04 = 16mm <sup>2</sup> , 05 = 25mm <sup>2</sup> , 06 = 35mm <sup>2</sup> , 07 = 50mm <sup>2</sup> , 08 = 70mm <sup>2</sup> , 09 = 95mm <sup>2</sup> , 10 = 120mm <sup>2</sup> , 11 = 150mm <sup>2</sup> , 12 = 185mm <sup>2</sup> , 13 = 240mm <sup>2</sup> , 14 = 300mm <sup>2</sup> , 15 = 400mm <sup>2</sup> , 16 = CUSTOM*	Corresponding ring lug cable cross sectional area
	FOR TUNNEL TABS C (WIDTH): 2 = 6mm, 3 = 10mm, 4 = 12mm, 5 = CUSTOM* D (LENGTH): 1 = 12mm, 2 = 16mm, 3 = 24mm, 4 = 30mm, 5 = CUSTOM*	Tab size to suit tunnel style connections
	*Provide details of custom requirements with order	Contact <a href="mailto:sales@pyroptic.com">sales@pyroptic.com</a> to discuss your requirements