

## Fibre Amplifier - Product Data BR302-NP



For more information,  
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### Description

PyrOptic Hot-Spot detection system consisting of continuous optical fibre loop passing through an array of thermal actuators called PyrOnodes. A PyrOnode activates when the connection being monitored reaches activation temperature. Activated PyrOnode severs the fibre blocking optical continuity providing instant feedback of the developing temperature issue. Optical fibre continuity is monitored via fibre amplifier either online or alarm indication checked on routine inspection basis.

### Features

RiKO BR302-NP fibre amplifier is a low cost digital relay used for longer optical loop detection (~150m) where received light continuity level is beneficial.

Dual LED display for activation threshold level and received light continuity level plus Hot-Spot alarm LED

Both NPN & PNP transistor outputs for easy interfacing to the plant control system or standalone Hot-Spot alarm indication.

One relay is required per Hot-Spot detection loop which may monitor anywhere from one to literally hundreds of connections!

### Product Image



### Specifications

Feature	Information	Notes
Manufacturer	RiKO Opto-Electronics Tech	
Power Supply	12 to 24 Vdc $\pm 10\%$ / 10% Ripple	Consumption 75mA Max
Control Output	NPN/PNP Open collector	Loading 100mA Max
LED Display 1 / Alarm LED (Red)	Received Light Continuity Level	Range 0 to 9999
LED Display 2 (Green)	Continuity Threshold / Alarm level	Range 0 to 9700
Wiring	2m attached cable 4 Core/0.2mm <sup>2</sup>	
Material	ABS	Black
Dimensions	W10 x L79 x H33mm	
Weight	65g	
Ambient Temperature	-10 to +60°C	
Protection Rating	IP40	

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

### Pricing

Order Code	Description	Qty. Cost
BR302-NP	RiKO Digital Fibre Amplifier 12/24Vdc - NPN/PNP Output	POA