

Fibre Amplifier - Product Data F85RN



For more information,
Contact sales@pyroptic.com

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

Takex F85RN fibre amplifier is a multi function digital relay used for fast response times and high sensitivity applications. Has long optical loop detection (~200m) and received light continuity level indication.

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	Takenaka Sensor Group	
Power Supply	12 to 24 Vdc \pm 10% / 10% Ripple	Consumption 32mA 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/0.2mm2	
Material	ABS	Black
Dimensions	W10 x L81 x H33mm	
Weight	75g	
Ambient Temperature	-25 to +55°C	
Protection Rating	IP40	

Please contact PyrOptic sales for pricing - sales@pyroptic.com

Pricing

Order Code	Description	Qty. Cost
F85RN	Takex Digital Fibre Amplifier 12/24Vdc - NPN/PNP Output	POA