Signaline HD Heat Sensing Cable Controller

All Signaline HD Heat Sensing Cables (Signaline HD) must be used with a Signaline HD Heat Sensing Cable Controller (Signaline HD Controller). Signaline HD Controllers are very simple and easy to use and there are three models to choose from:

- Signaline SKM-03; EN54 compliant for use with conventional systems (VdS approved)
- Signaline SKM-03UK; generate alarm when 1m of cable reaches 60°C or 80°C
- Signaline SKM-95; EN54 compliant loop power controller for use with Apollo XP95 addressable systems (VdS approved)

Key Features

- Easy and economical to install
- Very simple to set up and operate
- Controller will monitor up to 300m of sensor cable (dependant on ambient temperature).
- The sensor cable is resistant to corrosion & moisture
- Signaline SKM-03 and Signaline SKM-95 are VdS approved
- Cable and controller is self resetting after alarm to facilitate live routine testing of the alarm system
- Will raise an alarm when 1m of Signaline HD reaches 60°C or 80°C (Signaline SKM-03UK only)

Signaline HD Controller

End of Line Unit

How Does It Work?

The Signaline HD Controller provides early warning of an impending fire by detecting overheating in cable ducts, road tunnels, escalators, car parks, lift shafts, conveyer belts and similar difficult to monitor environments. The system uses Signaline HD and a Signaline HD Controller plus a Signaline End of Line Unit. The Signaline HD is a specially constructed coaxial cable. When the cable is heated there is a corresponding change in the electrical characteristics of the cable. This change is monitored by the controller which when sufficient causes an alarm. The controller constantly monitors for open and short circuit faults in the cable. Signaline HD and Signaline HD Controllers are resettable and therefore may be physically heat tested any number of times, this is useful during routine fire alarm system testing. However, if it is destroyed by overheating or fire, the damaged section must be replaced.

LGM PRODUCTS LTD
UNIT 15 RIVERSIDE INDUSTRIAL PARK
FARNHAM
SURREY GU9 7UG
UNITED KINGDOM

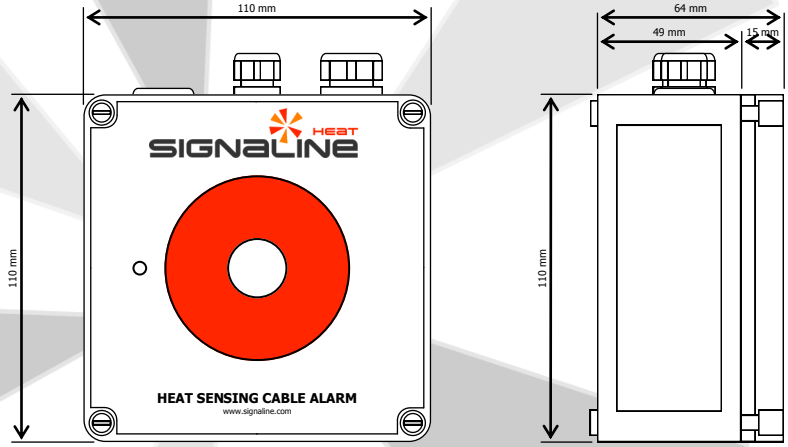
TEL +44 (0) 1252 725257
FAX +44 (0) 1252 727627
E-mail sales@Lgmproducts.com
www.signaline.com

Version 2.0

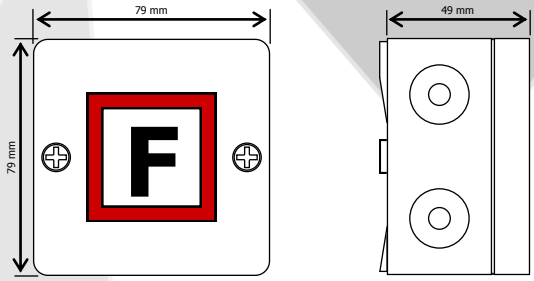
Signaline HD Heat Sensing Cable Controller

	Signaline SKM-03	Signaline SKM-03UK	Signaline SKM-95
Supply Voltage	24 Vdc	24 Vdc	Loop powered
Idle Current	28mA	28mA	<2mA
Alarm Current	58mA	58mA	3.2mA
Isolator Voltage	N/A	N/A	<14 V
Address Protocol	N/A	N/A	XP95 Series
Response	EN54 compliant	Alarm raised when 1m of cable is heated to 60°C	EN54 compliant
Fire Relay Contact	N/C-C-N/O Relay contact	N/C-C-N/O Relay contact	N/A
Fault Relay Contact	N/C-C-N/C Relay contact	N/C-C-N/C Relay contact	N/A
Dimensions (WxHxL)	110/110/65mm	110/110/65mm	110/110/65mm
Weight	270g	270g	270g
System Healthy LED Indicator	Green	Green	No indication
Fire LED Indicator	Red	Red	Red
Fault LED Indicator	No indication	No indication	Yellow
Colour of Housing	Grey, RAL 9002	Grey, RAL 9002	Grey, RAL 9002
IP Rating	IP65	IP65	IP65

Signaline HD Controller



Signaline End of Line Unit



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