



SIGNALINE

Signaline HD Controller

Signaline HD Analogue Heat Sensing Cable must be used in conjunction with the a Signaline HD controller. Signaline controllers are very simple and easy to use and there are three models to choose from;

- Signaline-HD-SKM03 and Signaline-HD-SKM03UK for use in conventional systems
- Signaline-HD-SKM-95 for use with Apollo XP95 intelligent systems.

Key Features

- Easy and economical to install.
- Very simple to set up and operate
- Controller will monitor up to 300 m of sensor cable (dependant on ambient temperature).
- The sensor cable is resistant to corrosion & moisture
- Signaline-HD-SKM-03 and Signaline-HD-SKM-95 are VdS approved.
- Cable can be reset after use.
- Will raise an alarm when 1m of Signaline HD reaches 60°C (Signaline-HD-SKM-03UK)



SKM-03 & SKM-95 Controllers



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, lift shafts, conveyer belts and similar difficult to monitor environments. The system uses Signaline HD analogue heat sensing cable and a Signaline HD controller plus an end of line terminal box. The sensor cable 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 cable is resettable and therefore may be physically heat tested any number of times by the application of heat in order to test the system, however, if it is destroyed by overheating or fire, the damaged section must be replaced.

SEE PAGE 2 FOR TECHNICAL SPECIFICATIONS

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SIGNALINE

Signaline HD Controller Specification

Supply Voltage
 Idle current consumption
 Alarm current
 Isolator voltage
 Address protocol
 Response

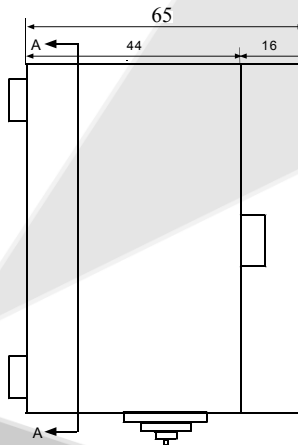
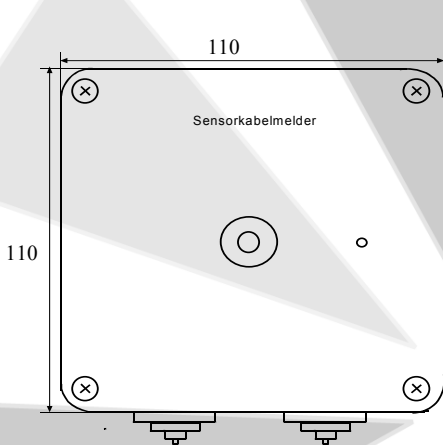
SKM-95
 Loop powered
 < 2 mA
 3.2 mA
 < 14 V
 XP95 Series
 EN54 compliant

SKM-03 & SKM-03UK

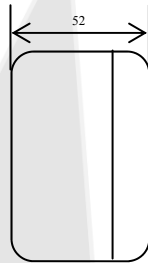
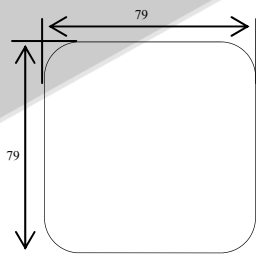
24Vdc
 28 mA
 58 mA
 Not applicable
 Not applicable
SKM-03: EN54 compliant
SKM-03UK Alarm raised when 1m of cable is heated to 60°C
 N/C-C-N/O Relay contact
 N/C-C-N/C Relay contact
 110/110/65mm
 270 g
 Green
 Red
 grey, RAL 9002
 IP65

'FIRE' Relay contact
 'FAULT' Relay contact
 Dimensions (WxHxL)
 Weight
 System Healthy LED Indicator
 'FIRE' LED Indicator
 Colour of housing
 IP Rating

Not applicable
 Not applicable
 110/110/65mm
 270 g
 Green
 Red
 grey, RAL 9002
 IP65



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Signaline HD End of Line unit

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