AAECU

AlarmLine II Analogue EN Control Unit

General

The AlarmLine II Analogue EN Linear Heat Detection (LHD) system comprises of the following parts:

- An AlarmLine II Analogue EN Controller
- AlarmLine II Analogue EN LHD sensor cable
- An AlarmLine II Analogue EN end-of-line unit (supplied with the controller)

The controller provides monitoring of the AlarmLine II Analogue EN range of LHD sensor cable, allows configuration of alarm and pre-alarm temperatures as well as enabling of a simple interface to a main fire alarm or BMS system.

Interface & Programming

The AAECU provides LED indications as well as a LCD. Internal pushbuttons allow for easy configuration without the need for a PC. Configuration via PC is also supported via a USB connection and the optional configuration software.

Pre-Alarm and Alarm thresholds can be set through simple menu options. Initial set-up is done by measuring and entering the calibration resistance of the sensor cable, as well as the 3-letter cable parameter identifier.

Volt free changeover contacts are provided inside the control unit for Pre-Alarm and Alarm signaling to a main fire alarm control panel or BMS system. A failsafe opto-isolated phototransistor fault output is also provided.

No user controls are provided on the control unit. An isolated input is provided enabling remote reset functionality.

Operation

As well as monitoring the LHD sensor cable for changes in temperature, the control unit also monitors for open and short circuit faults along the cable ensuring notification if the cable becomes damaged.It is fitted with its own internal temperature monitor and should the temperature within the controller enclosure reach 100°C (212°F), an alarm will be signaled.

Each control unit may have up to 500 m (1640 ft) of LHD sensor cable connected to it, acting as a single detection zone.

Details

The AAECU is supplied with an End-of-Line unit included. The End-of-Line unit is also available separately as a replacement part should it get lost or damaged.

A junction box is available separately if two pieces of cable needs to be joined.



Détails

- VdS EN54-22:2015/prA1:2007 certified
- Up to 500 m of sensor cable per zone
- Separate pre-alarm and alarm signals
- Easy programmable interface
- Enclosure temperature alarm
- IP65 rated enclosure

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Spécifications techniques

Général

Indication d'état	4 x LED's (power, fault, pre-alarm & alarm)
Interface utilisateur	LCD display with internal configuration buttons
Compatibilité	AAE/ F304 & F305 series analogue LHD cable
Tension de réenclenchement	5 to 28 VDC for > 3 s
Niveaux d'alarme	Configurable

Électrique

Type de bloc d'alimentation	Externe
Consommation électrique	< 2 W
Tension de fonctionnement	20 to 30 VDC
Consommation de courant	59 mA at 30 VDC

Détection

Principe de détection	Heat - Classes A1I/A2I & BI
Température d'alarme (maximale)	+100°C
Température d'alarme (minimum)	+54°C

Entrée

Quantité entrée	1 for remote reset
Type d'entrée et classe	5 to 28 VDC (at 2 mA) > 3 s

Sortie

Quantité des sorties	3 for fault, pre-alarm and alarm
Type de sortie et classe	Pre-alarm and alarm: relay with NO/NC/C connections (2 A at 30 VDC), Fault : NC opto-isolated phototransistor output

Caractéristiques physiques

Dimensions physiques	Controller: 182 x 180 x 90 mm (7 1/8" x 7 1/8" x 3 1/2") (W x H x D) EOL unit: 100 x 60 x 35 mm (4" x 2 3/8" x 1 3/8") (W x H x D)
Poids net	Controller: 860 g EOL unit: 115 g
Couleur	Gris léger
Type de montage	Montage en surface, Fixation murale
Matériel (boîte)	Polycarbonate

Environnement

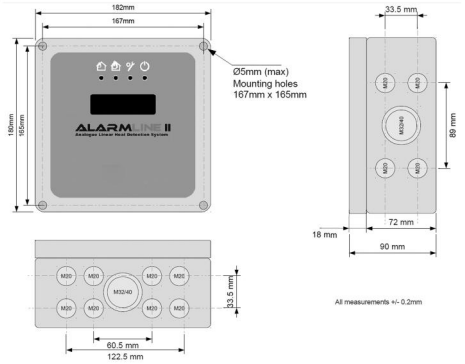
Protégé contre le vandalisme	Non
Température de fonctionnement	Controller: -20 to +50°C EOL unit: -40 to +125°C
Indice de protection	Controller: IP65 (IK08) EOL unit: IP65

Régulateur

Conformité	CE, REACH, RoHS 3, WEEE
Certification	CPR
Voluntary marks	VdS
Normes	EN54-22

Produits compatibles

Catégorie	Référence	Description
Module de détection	AAE-0100	
Module de détection	AAE-0200	
Module de détection	AAE-0500	
Module de détection	AAECU-EOL	
Module de détection	AAECU-JUN	
Module de détection	AAECU-PCC	
Module de détection	F3051-0100	
Module de détection	F3051-0500	
Module de détection	F3052-0100	
Module de détection	F3052-0500	



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