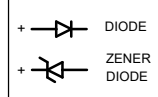


HEAT DETECTOR DEVICES

SHEET 1

PRODUCTS: D2xH1-I ; D2xH1-IR ; GNExH1-I ; GNExH1-IR	Diagram	Sheet
	Standard Switch Wiring Configurations	1
	LED Indicator Wiring Configurations	2

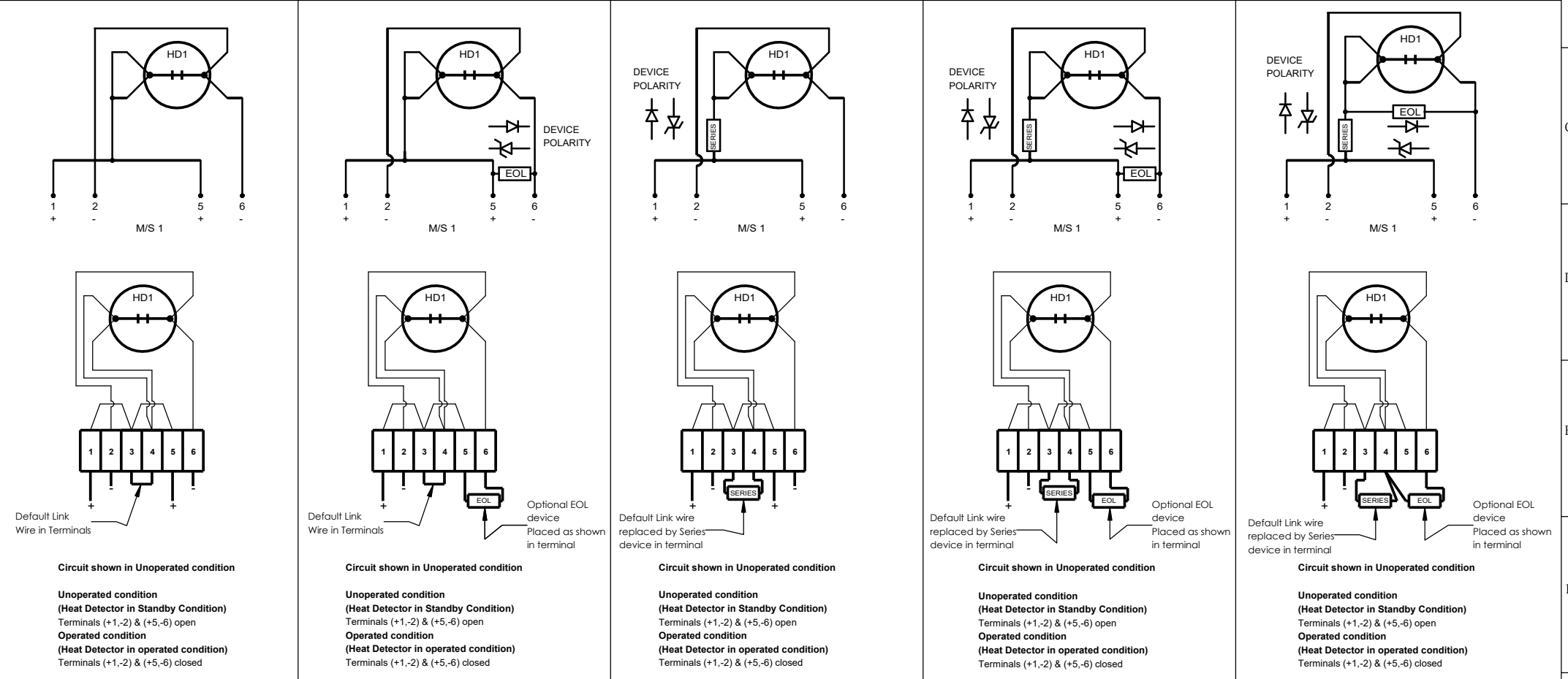


Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1		INTRODUCTION RNP 31-05-2024
2		LED Position corrected RNP 01-07-2025
3	ACN0204	Config A2-3 & A2-4 correction to position of Series and EOL on bottom view in these configs. RNP 31-10-2025

HEAT DETECTOR	CONFIG. A1-1	HEAT DETECTOR WITH EOL DEVICE	CONFIG. A1-2	HEAT DETECTOR WITH SERIES DEVICES	CONFIG. A1-3	HEAT DETECTOR WITH EOL & SERIES DEVICES	CONFIG. A1-4	HEAT DETECTOR WITH EOL & ALT. SERIES DEVICES	CONFIG. A1-5
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PRODUCT VERSION [v]	[I or R]	Ex ia	[R]	Ex ia (-IR)	[R]	Ex ia (-IR)	[R]	Ex ia (-IR)	[R]
PRODUCT OPTION [o]	[1]	Default	[1]	Default	[1]	Default	[1]	Default	[W]
LED INDICATOR [u]	[N]	NO LED	[N]	NO LED	[N]	NO LED	[N]	NO LED	[N]
SERIES MODULE [e]	[Exxxx]	EOL	[Exxxx]	EOL	[Sxxxx]	Series	[Exxxx] [Sxxxx]	EOL + Series	[Exxxx] [Sxxxx]



DRAWING TO BS8888:2000 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS ANGULAR DIMENSIONAL TOLS	DRAWN	DATE	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.	 EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE			
	CHECKED	DATE					TITLE GNExH1-I & -IR ; D2xH1-I & -IR Ex ia HEAT DETECTOR WIRING / CIRCUIT OPERATION DIAGRAM			
	APPROVED	DATE					ALTERNATIVE MATERIAL	SCALE	SHEET	
STANDARDS GNExH1-I ; GNExH1-IR ; D2xH1-I ; D2xH1-IR	R.N.POTTS	31-05-2024			(C) EUROPEAN SAFETY SYSTEMS LTD. AS PER LATEST DATE OF ISSUE SHOWN ABOVE		NTS	1 OF 2	D255-06-251	

HEAT DETECTOR WITH LED DEVICES

SHEET 2

Notes: 1. LED is only allowable on Product Version = A

2. When the LED is configured as LED indication option = C for this version the LED must be protected by a series resistor of a minimum value of 1.5K Ohm or by limiting the systems current to 20mA max.

3. Units have the option to add the LED current-limiting resistor RL1 LED indication option = L which is a 1.5K Ohms.

4. Note that in both cases the total value of the series resistors and if fitted RL1 will impact the brightness of the LED.

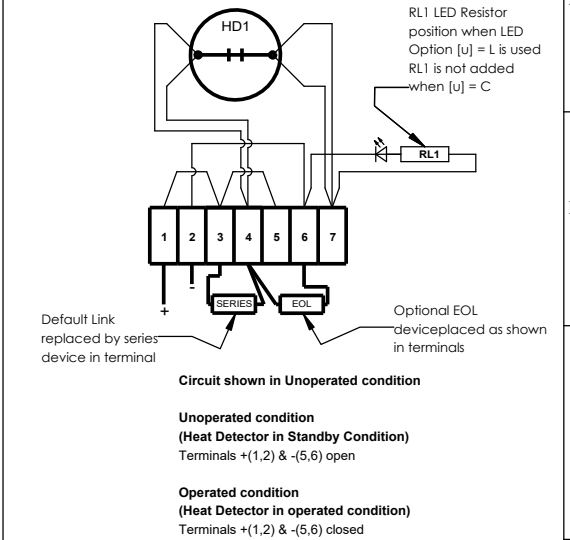
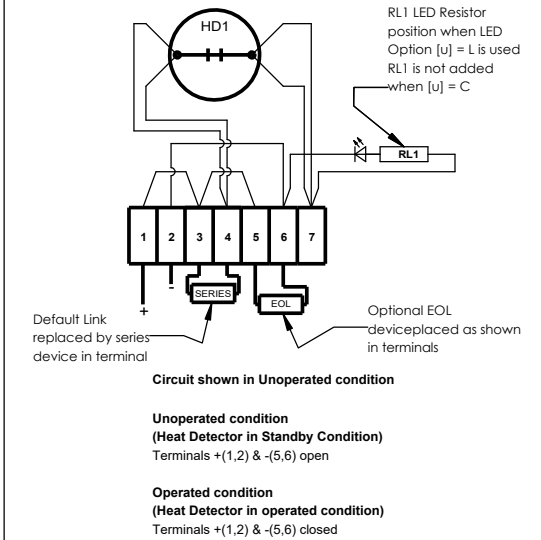
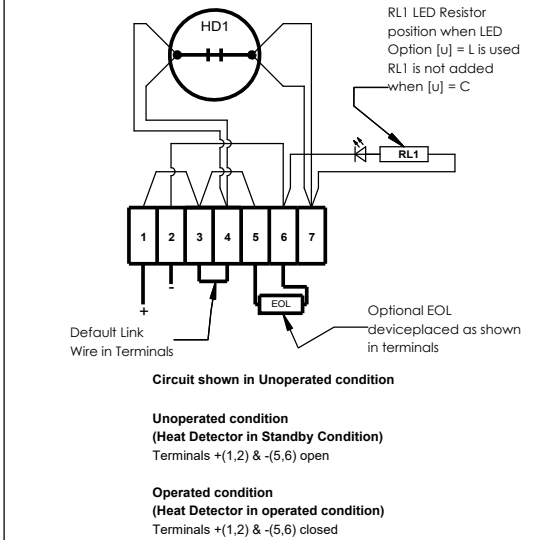
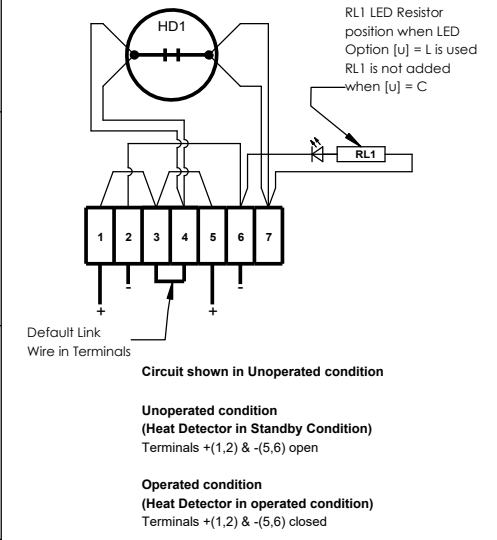
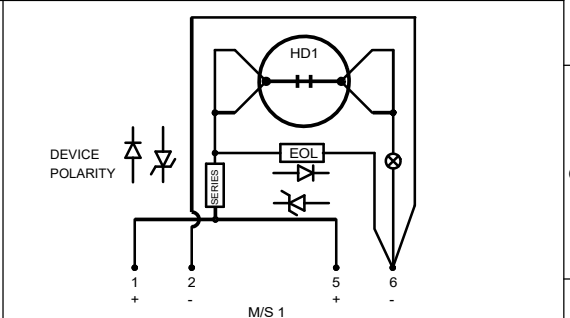
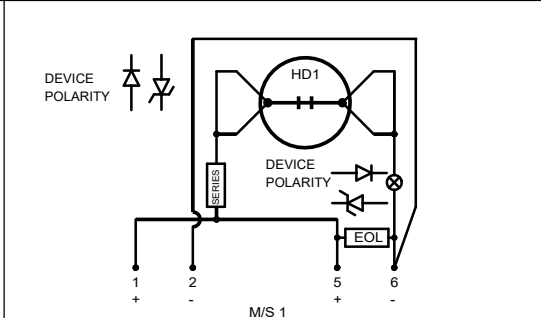
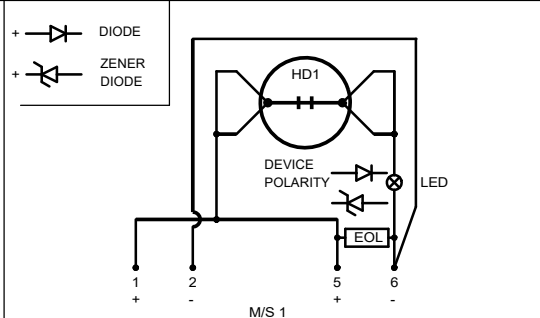
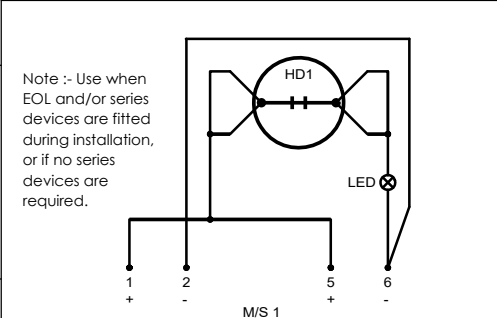
Module Device Codes

	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
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HEAT DETECTOR WITH LED ONLY	CONFIG. A2-1	HEAT DETECTOR WITH LED & EOL DEVICE	CONFIG. A2-2	HEAT DETECTOR WITH LED EOL & SERIES DEVICES	CONFIG. A2-3	HEAT DETECTOR WITH LED, EOL & ALT. SERIES DEVICE	CONFIG. A2-4
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PRODUCT VERSION [v]	[R]	Ex ia (-IR only)	PRODUCT VERSION [v]	[R]	Ex ia (-IR only)	PRODUCT VERSION [v]	[R]	Ex ia (-IR only)
PRODUCT OPTION [o]	[1]	Default	PRODUCT OPTION [o]	[1]	Default	PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1	LED INDICATOR [u]	[L]	LED with RL1	LED INDICATOR [u]	[L]	LED with RL1
			MODULE [E]	[Exxxx]	EOL Device	MODULE [e] [s]	[Exxxx] [Sxxxx]	EOL + Series



DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExH1-I ; GNExH1-IR ;
D2xH1-I ; D2xH1-IR

DRAWN R.N.POTTS DATE 31-05-2024

CHECKED B.ISARD DATE 31-05-2024

APPROVED R.N.POTTS DATE 31-05-2024

SURFACE FINISH WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

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IF IN DOUBT, ASK -
DO NOT SCALE

TITLE
GNExH1-I & -IR ; D2xH1-I & -IR Ex ia HEAT DETECTOR
WIRING / CIRCUIT OPERATION DIAGRAM

SCALE NTS SHEET 2 OF 2 DRAWING NUMBER D255-06-251