

DATASHEET

KE-IU3111-ZME

Excellence series intelligent addressable zone monitoring unit with isolator (ext. power)

MAIN FEATURES

- Excellence series intelligent addressable zone monitoring unit with isolator (ext. power)



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	24 VDC
Operating voltage	17 to 29 VDC (loop) 22 to 28 VDC (external)
Current consumption	From the loop: 250 µA @ 24 VDC (standby), 2.5 mA @ 24 VDC (alarm) From the external supply: 12 mA @ 24 VDC (standby), 32 mA @ 24 VDC (alarm)
Communication voltage	4 to 11 V (pulsed)
Supervisory voltage	14.3 to 23 VDC (application specific)
Loop current	2.5 mA (active)
Switch current	1.05 A (continuous) / 1.4 A (short)
Leakage current	<1 mA
Isolation voltage	14 to 15.5 VDC
Reconnect voltage	14 to 15.5 VDC

Inputs / outputs

Input quantity	1
Input type and rating	Supervised zone, <35 mA
Input states	Active, Fault, Normal, Open, Short
Output quantity	1
Output type and rating	NO/COM/NC relay, 2 A @ 30 VDC (resistive load)
Quantity per loop	≤128

Physical characteristics

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TECHNICAL SPECIFICATIONS

Physical dimensions	148 x 102 x 27 mm
Net weight	145 g
Colour	Signal white (RAL 9003)
Mounting type	DIN-rail, Surface mount, Wall mount
Material	PC / ABS
Environmental characteristics	
Operating temperature	-22 to +55°C
Storage temperature	-30 to +65°C
Relative humidity	10 to 93% noncondensing
Environment	Indoor, Outdoor
IP rating	IP30 (without enclosure)
Other characteristics	
Status indication	Tri-coloured LEDs
Compatibility	Kidde Commercial Excellence Systems
Addressing method	DIP Switches
Address range	1 to 128
Cable specification	PSU: 0.5 to 4.9 mm ² shielded/unshielded twisted-pair
Alarm resistor	100 Ω ±5% (MCP) / 160 to 470 Ω ±5% (Detector)
Termination resistor	Application specific
Type	Negative line break
Series resistance	<0.08 Ω
Impedance requirements	≤32 devices between isolators
Maximum impedance to first isolator	13 Ω
Maximum impedance between isolators	13 Ω
Vandal proof	No
Compliance	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-13, EN54-17, EN54-18
Category	Reference
Enclosures	N-IO-MBX-1
Interface unit	N-IO-SBX-2G