

DATASHEET

KE-DM31100S99

Excellence Series intelligent addressable manual call point w/ isolator

MAIN FEATURES

- Excellence Series intelligent addressable manual call point w/ isolator



TECHNICAL SPECIFICATIONS

Power supply

Power supply type	Loop powered
Operating voltage	17 to 29 VDC
Communication voltage	4 to 11 V pulsed
Current consumption	200 µA (Quiescent) 2.8 mA (Alarm)
Isolation voltage	14 to 15.5 VDC
Reconnect voltage	14 to 15.5 VDC
Loop current	1 A (Continuous)
Switch current	1 A (Pulsed)
Leakage current	< 1 mA

Inputs / outputs

Quantity per loop	≤ 128
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Physical characteristics

Physical dimensions	87 × 87 × 26 mm (w/o back box) 87 × 87 × 57 mm (w/ back box)
Net weight	110 g (w/o back box) 165 g (w/ back box)
Colour	Orange (RAL 2008)
Mounting type	Back box, Wall mount
Material (body)	Flame retardant ABS

Environmental characteristics

Operating temperature	-25 to +72°C
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TECHNICAL SPECIFICATIONS

Storage temperature	-25 to +72°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP41
Other characteristics	
Status indication	Dual LEDs Alarm (Red Constant) Isolated (Yellow Constant) Fault (Yellow Blinking) Communication (Green Blinking)
User interface	LEDs, alarm flag
Compatibility	Excellence and legacy Aritech series fire systems
Connectivity	2-wire loop
Addressing method	DIP Switches
Cable specification	0.404 to 2.05 mm (0.13 to 3.31 mm ²)
No. of cable cores	2
Terminals	4 (A+/A-
Detection principle	Push button/switch
Monitoring	Activated, Fault, Off, Short circuit
Response time	< 3 s
Installation height	Determined by local regulation
Type	Negative line break
Series resistance	< 0.06 Ω
Impedance requirements	< 32 devices between isolators
Functional marking	SMOKE EXTRACTION
Vandal proof	No
Compliance	CE, REACH, RoHS 3, WEEE
Certification	CE
Standards	EN54:17
Category	Reference
Detection device	N-MC-BB-O