



CONTROL LINE UNIT

Evolution Fire Alarm System

EV-AIO21

EV-AIO21 is a Control Line Unit ideal for the control and monitoring of fire doors and similar equipment.

EV-AIO21 has two inputs for closing or breaking contacts and a double pole changing relay output.

The EV-AIO21 can only do one type of control and monitoring function at a time. The different types of functions are selected by means of a DIPSWITCH inside the unit.



Normally EV-AIO21 is connected to the loop via the two-core cable but for certain control functions an extra 24V DC must be separately connected.

Cable connections can be made through the cable glands or by drilling holes in the base of the box.

Fire Alarm System EVA-1

SPECIFICATION

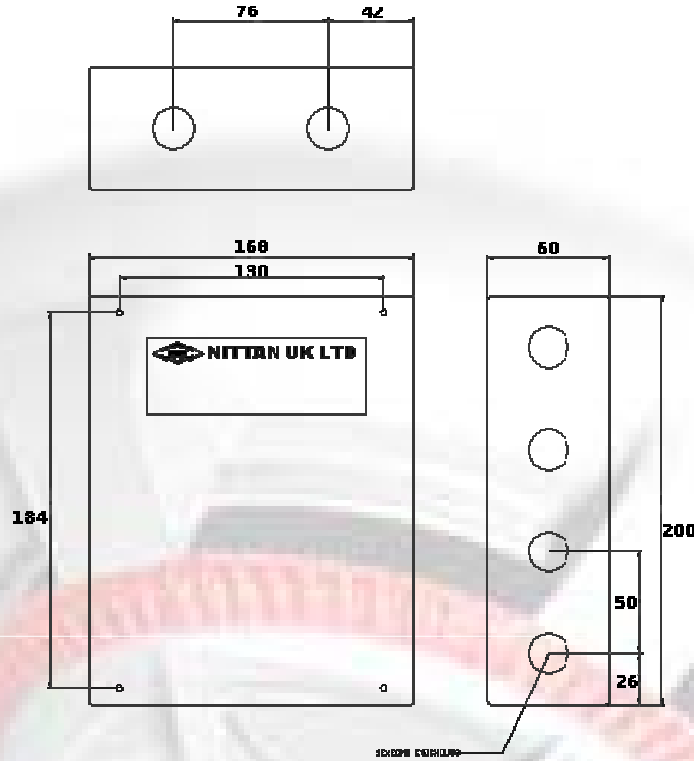
Model no: F16582023

System voltage 24 V, DC
Operating voltage 15 - 35 V DC
Supervision current 0,2 mA
Activated output current 2,5 mA
Operating temperature range -25°C to +70°C
Ambient Humidity 0 - 100% RH
From external input voltage
Operating voltage 24 V DC +/- 20%.
Operating current 10 mA
Max load at relay contacts 48 V DC / 0,5 A
24 V DC / 1,0 A



NITTAN (UK) LIMITED

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1	2	3	4	5	6	7	8
<p>Function no: 12, 10, 9 "Control" (no Inputs) Ex, Relay activation to any kind of application (no feedback* check) "12" relay active in normal condition (failsafe) "10" relay not active "9" relay not active, +supervised 24V</p>				<p>Function no: 13, 15 "Control_Door" Ex, Fire door/damper closing, with feedback* signal that unit is closed "13" relay active (failsafe), "15" relay not active, Feedback-Fault*: In2, supervised coil Feedback-Fault*: In2, supervised coil</p>			
<p>Only LC1r6: Funct. no: 1 "DET" (Detector). Ex, Interface w. Aspiration system, Beam detect., other Fire Panels... FIRE Alarm at Input 1, from external system Pre Alarm at Input 2, from external system RESET puls from relay, to external system</p>				<p>Only LC1r6: Function no: 7 "Control" Start/Open Ex, Start of fan, open fire damper, Sprinkler activation -with feedback* signal. "7" relay not active in normal condition. Feedback-Fault*: In1, +supervised coil.</p>			
<p>*)Feedback: Fault after 60sec if not input closed at activation Feedback signal (closed switch) to verify activation (open/closed/On/Off/flow/.... -switch)</p>						<p>Project: NS-AIO21 File: aio21 Size: A3 Scale: Date: 2001.03.17 Sign: SB</p>	
<p>Rev. Revision note</p>		Date	Sign.	<p>NS-AIO21 NSAC-1 system DRAWING NO.</p>		Rev. 5	Page 1/1

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