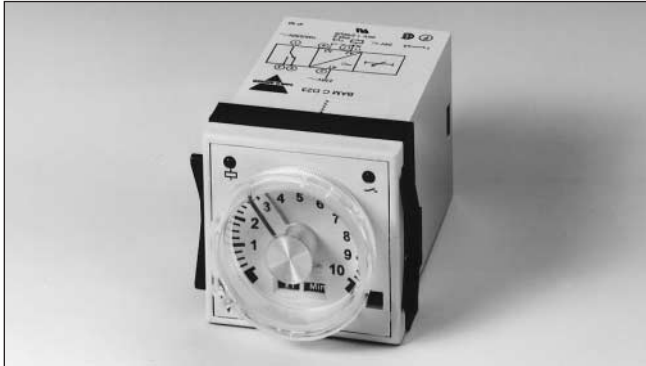


Timers

Delay on Operate

Types AAM, BAM

CARLO GAVAZZI



- 6 selectable time ranges: 0.1 s to 10 h
- Knob-adjustable time setting
- Switch selection of time range
- 8- or 11-pin circular plug
- Output: 8 A SPDT
- LED-indications for relay and power supply ON
- 48 x 48 mm housing

Product Description

Mono-function, plug-in, delay on operate time relay. Adjustable time range from 0.1 s to 10 h divided into 6 individual ranges. Easy frontpanel

mounting if necessary. Often used to prevent overloading the power distribution system, when e.g. pumps or motors should not be switched on at the same time.

Ordering Key

AAM C D23

Plug type _____
 Function _____
 Type _____
 Output _____
 Power supply _____

Type Selection

Plug	Output	Time range	Power supply	Ordering no.
11-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 48 VAC/DC	AAM C D48
11-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 115 VAC	AAM C D11
11-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 230 VAC	AAM C D23
8-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 48 VAC/DC	BAM C D48
8-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 115 VAC	BAM C D11
8-pin	SPDT	0.1 s - 10 h	24 VAC/DC & 230 VAC	BAM C D23

Time Specifications

Time ranges Selectable by 2 switches	
Range	Sec., min., hrs.
Scale	x 0.1 or x 1
Time range accuracy	±10%
Repeat accuracy At constant parameters Within ambient temperature	± 0.2% ± 1.5%
Reset After timing During timing	Power supply interruption ≥ 50 ms ≥ 100 ms

Output Specifications

Output	SPDT relay
Rated insulation voltage	250 VAC
Contact ratings (AgCdO) Resistive loads AC 1	μ (micro gap) 8 A, 250 VAC
Mechanical life	≥ 2 x 10 ⁷ operations
Electrical life	≥ 2 x 10 ⁵ operations (at 5 A, 250 VAC)
Operating frequency	≤ 600 operations/h (at max. load)

Supply Specifications

Power supply Rated operational voltage through pins 2 & 10 (AAM) or pins 2 & 7 (BAM)	(IEC 38)
	D48 48 VAC/DC & 24 VAC/DC, -15/+15%
	D11 115 VAC & 24 VAC/DC, -15/+10%
	D23 230 VAC & 24 VAC/DC, -15/+15%
Frequency	50/60 Hz
Rated operational power	7 VA @ 220 VAC

General Specifications

Indication for Power supply ON Output ON	LED, green LED, red
Environment Degree of protection Operating temperature Storage temperature	IP 50 -20° to +60°C (-4° to +140°F) -25° to +70°C (-13° to +158°F)
Housing material	ABS, grey
Weight	100 g
Approvals	UL
CE Marking	Yes

Mode of Operation

The delay period begins when power supply is applied and the green LED is ON.

At the end of the timing period, the relay operates and the red LED is ON - the load is activated.

To reset the output relay the power supply must be interrupted for at least 100 ms (du-

ring timing) or 50 ms when the timing period has elapsed.

Time Setting

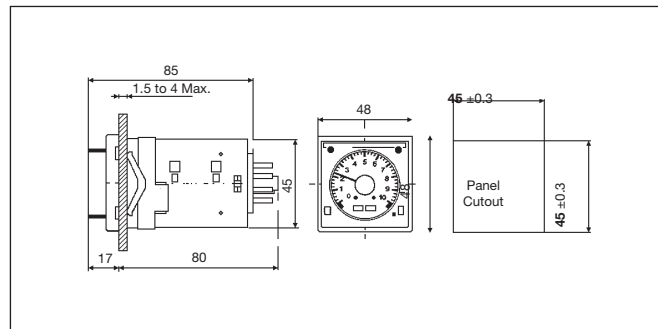
Selection and adjustment of time ranges

Left switch:
2-position switch
(x 0.1, x 1).

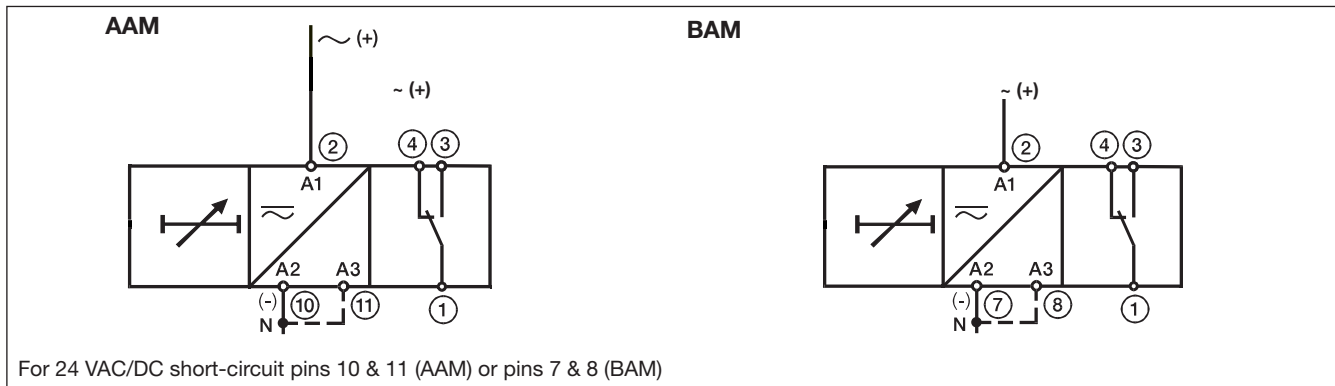
Right switch:
3-position switch
(sec., min., hrs.).

Centre knob:
Relative scale 1-10.

Dimensions



Wiring Diagrams



Operation Diagram

