Timers Delay on Operate Type DAA01, PAA01







- Time range 0.1 s to 100 h
- Knob selection of time range
- · Knob adjustable time setting
- Automatic start

Power supply

- Repeatability: ≤ 0.2%
- Output: 8 A SPDT or 2 x 8 A SPDT relays
- For mounting on DIN-rail in accordance with DIN/EN 50 022 or Plug-in
- 22.5 Euronorm or 36 mm plug-in module housing
- Combined AC and DC power supply
- LED indication for relay status and power supply ON

Product Description

Multi-voltage delay on operate timer with 7 selectable time ranges within 0.1 s and

100 h. For mounting on DIN-rail (DAA01) or plug-in (PAA01).

Ordering Key Housing Function Type Item number Output DAA 01 C M24

Type Selection

Mounting	Output	Housing	Supply: 24 VDC and 24 to 240 VAC	Supply: 24 to 240 VAC/DC
DIN-rail	1 x SPDT	D-Housing	DAA01CM24	
Plug-in	2 x SPDT 1 x SPDT	P-Housing	PAA01CM24	DAA01DM24
Flug-III	2 x SPDT	F-Housing	FAAU I CIVIZA	PAA01DM24

Time Specifications

Time ranges		
Knob selectable	0.1 to 1 s 1 to 10 s 6 to 60 s 60 to 600 s 0.1 to 1 h 1 to 10 h 10 to 100 h	
Setting accuracy	≤ 5%	
Repeatability	≤ 0.2%	
Time variation Within rated power supply Within ambient temperature	≤ 0.05%/V ≤ 0.2%/°C	
Reset Power supply interruption	≥ 200 ms	

Output Specifications

Output		1 or 2 x SPDT relays	
Rated insulation volta	age	250 VAC (rms)	
Contact Ratings (AgS Resistive loads Small inductive loads	AC 1 DC 12 AC 15	μ 8 A @ 250 VAC 5 A @ 24 VDC 2.5 A @ 250 VAC	
Mechanical life	DC 13	2.5 A @ 24 VDC ≥ 30 x 10 ⁶ operations	
Electrical life		\geq 10 ⁵ operations (at 8 A, 250 V, cos φ = 1)	
Operating frequency		< 7200 operations/h	
Dielectric strength Dielectric voltage Rated impulse withstavoltage	and	2 kVAC (rms) 4 kV (1.2/50 μs)	

Supply Specifications

Power supply		Overvoltage cat. III (IEC 60664, IEC 60038)	Voltage interruption	≤ 10 ms
Rated operational voltage through terminals:			Rated operational power AC supply	4 VA
(DAA01C) (PAA01C)	A1, A2 or 2, 10	24 VDC ± 15% and 24 to 240 VAC + 10% -15%, 45 to 65 Hz	DC supply	1.5 W
(DAA01D) (PAA01D)	A1, A2 or 2, 10	24 to 240 VAC/DC + 10% - 15%, 45 to 65 Hz		



General Specifications

≤ 100 ms	
< 20 ms from power ON	
LED, green	
LED, yellow	
(flashing when timing)	
(EN 60529)	
ÎP 20	
3 (DAA01), 2 (PAA01)	
(IEC 60664)	
-20° to +60°C, R.H. < 95%	
-30° to +80°C, R.H. < 95%	
22.5 x 80 x 99.5 mm	
36 x 80 x 94 mm	
Approx. 130 g	
Max. 0.5 Nm according to	
IEC EN 60947	
UL, CSA	
RINA (DAA01 only)	
Yes	
Electromagnetic Compatibillity	
According to EN 61000-6-2	
According to EN 61000-6-3	
According to EN 61812-1	

Time Setting

Centre knob:

Time setting on relative scale: 1 to 10 with respect to the chosen range

Lower knob:

Setting of time range

Mode of Operation

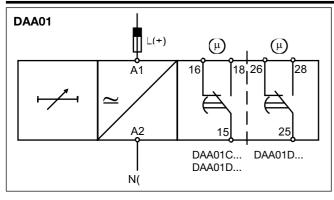
The yellow LED, flashing when timing, is ON as soon as the relay turns ON.

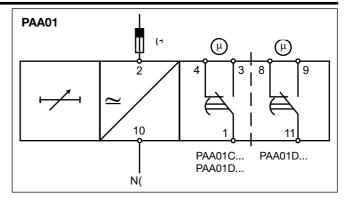
The second relay can operate as instantaneous or delayed changeover contact. The selection is made by a DIP-switch placed under the plastic door on the device's front.

The set delay period begins as soon as the power supply

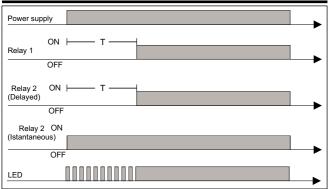
is connected. At the end of the set delay the relay operates and does not release until the power supply is interrupted for at least 200 ms. If the power supply is interrupted for at least 200 ms before the relay operates the time is set to zero and the circuit is ready for a new time period.

Wiring Diagrams





Operating Diagram





Dimensions

