

Single-function time relay

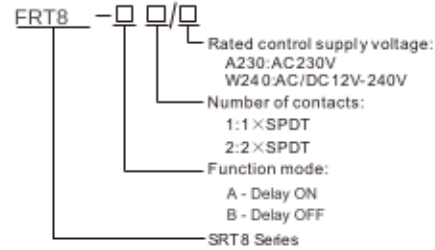


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General

- Applications
 - Suitable for applications where function and time requirements are known.
 - Time switch, possible to be used for pump decay time after switching heating off, switching of fans.
- Function Features
 - Single-function relay with possibility of time setting by a potentiometer.
 - Choice of 2 functions:
 - A: Delay ON
 - B: Delay OFF
 - Time scale 0.1 s - 10 days divided into 10 ranges..
 - Relay status is indicated by LED.
 - 1-MODULE, DIN rail mounting.

Model and connotation



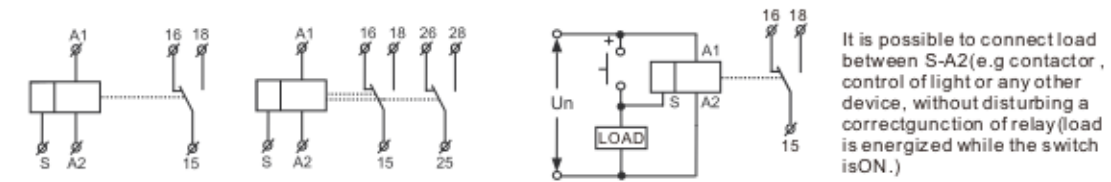
Technical parameters

Technical parameters	FRT8-A1/B1	FRT8-A2/B2
Function	delay ON	delay OFF
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V(50-60Hz)	
Burden	AC 0.7-3VA/DC 0.5-1.7W	
Voltage range	AC 230V(50-60Hz)	
Power input	AC max.12VA/1.3W	AC max.12VA/1.9W
Supply voltage tolerance	-15%;+10%	
Supply indication	green LED	
Time ranges	0.1s-10days, ON, OFF	
Time setting	potentionmeter	
Time deviation	5%-mechanical setting	
Repeat accuracy	0.2%-set value stability	
Temperature coecient	0.05%/°C, at=20°C(0.05%°F, at=68°F)	
Output	1 × SPDT	2 × SPDT
Current rating	16A/ AC1	
Switching voltage	250VAC/24VDC	
Min.breaking capacity DC	500mW	
Output indication	red LED	
Mechanical life	1 × 10 ⁷	
Electrical life(AC1)	1 × 10 ⁶	
Reset time	max.200ms	
Operating temperature	-20°C to +55°C (-4°F to 131°F)	
Storage temperature	-35°C to +75°C (-22°F to 158°F)	
Mounting/DIN rail	Din rail EN/IEC 60715	
Protection degree	IP40 for front panel/IP20 terminals	
Operating position	any	
Overvoltage cathegory	III.	
Pollution degree	2	
Max.cable size(mm ²)	solid wire max.1×2.5or 2×1.5/with sleeve max.1×2.5(AWG 12)	
Dimensions	90×18×64mm	
Weight	1 × SPDT: W240-60g, A230-59g	2 × SPDT: W240-81g, A230-79g
Standards	IEC/EN 61812-1, IEC/EN 61010-1	

Functions Diagram



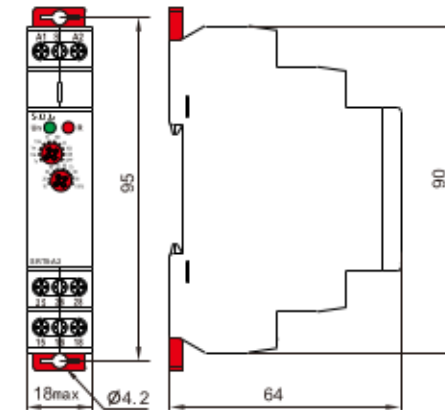
Wiring Diagram



Time Range



Dimensions (mm)



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9B Lakewood Blvd
 Braeside VIC 3195 Australia

- Power Semiconductors
- Electrical Measurement
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Web: www.fastron.com.au
 Email: sales@fastron.com.au
 Telephone: + 61- 3 - 97635155
 Facsimile: + 61- 3 - 97635206