

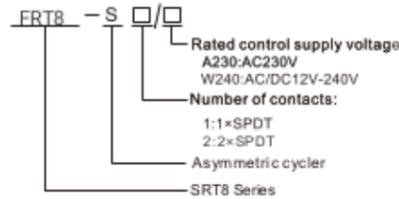
Asymmetric cycler



General

- Applications
 - It is used for regular room ventilation, cyclic dehumidification, light control, circulating pumps, noon signs, etc.
- Function Features
 - 2 time functions:
 - Cycler beginning with pulse
 - Cycler beginning with pause
 - Function choice is done by an external jumper of terminals S-A1.
 - Time scale 0.1 s - 100 days divided into 10 time ranges: (0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hrs - 1 h / 1 hrs - 10 hrs / 0.1 day - 1 day / 1 day - 10 days / 3 days - 30 days / 10 days - 100 days).
 - Relay status is indicated by LED.
 - 1-MODULE, DIN rail mounting.

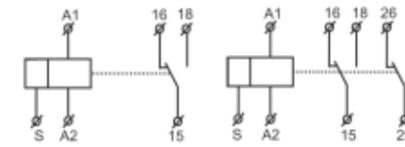
■ Model and connotation



Technical parameters

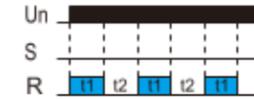
Technical parameters	FRT8-S1	FRT8-S2
Function	Asymmetric cycler time relay	
Supply terminals	A1-A2	
Voltage range	AC/DC 12-240V(50-60Hz)	
Burden	AC 0.7-3VA/DC 0.5-1.7W	
Voltage range	AC 230V(50-60Hz)	
Power input	AC max.12VA/1.3W	AC max. 12VA/1.9W
Supply voltage tolerance	-15%;+10%	
Supply indication	green LED	
Time ranges	0.1s-10days	
Time setting	potentionmeter	
Time deviation	5%-mechanical setting	
Repeat accuracy	0.2%-set value stability	
Temperature coeicient	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 ⁸	
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: W240-62g, A230-61g	2×SPDT: W240-82g, A230-82g
Standards	EN 61812-1, EN61010-1	

Wiring Diagram

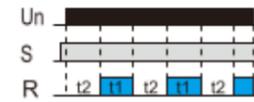


Functions Diagram

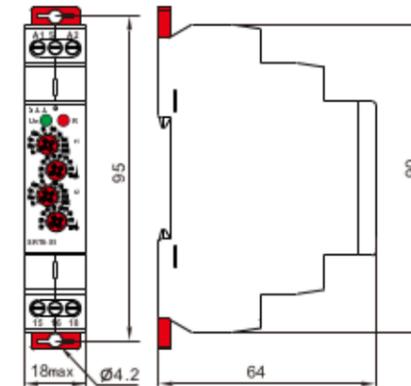
Cycler beginning with pulse



Cycler beginning with pause(jumper A1-S)



Dimensions(mm)



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