

⚠ Important Safety Notice

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to. All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should be checked periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS

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

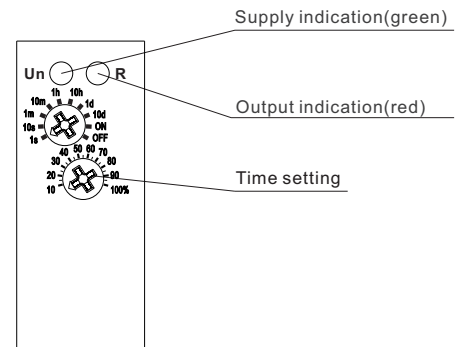
- Single-function relay with possibility of time setting by a potentiometer.
- Choice of 2 functions:
A: Delay ON
B: Delay OFF
- Time scale 0.1 s - 10 days divided into 10 ranges..
- Relay status is indicated by LED.
- 1-MODULE, DIN rail mounting.



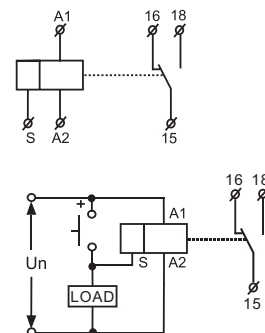
Technical parameters

Technical parameters	ECTON	ECTOFF
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 coeicient	0.05%/°C, at=20°C(0.05°F, at=68°F)	
Output	1×SPDT	1 x 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	

Panel Diagram



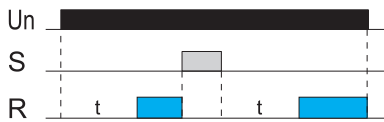
Wiring Diagram



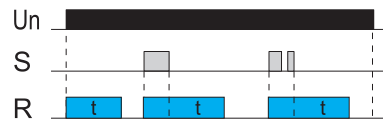
It is possible to connect load between S-A2 (e.g contactor, control of light or any other device, without disturbing a correct function of relay(load is energized while the switch is ON.)

Functions Diagram

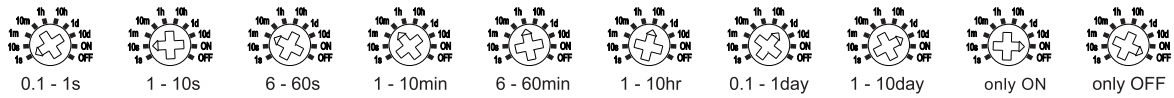
A - Delay ON



B - Delay OFF



Time Range



Dimensions(mm)

