

This document must be retained for future reference.

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 also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



## ECDD2T|Double delay time relay

### Applications

- For gradual switching of heavy powers (e.g. el.heating), prevents inrush currents.

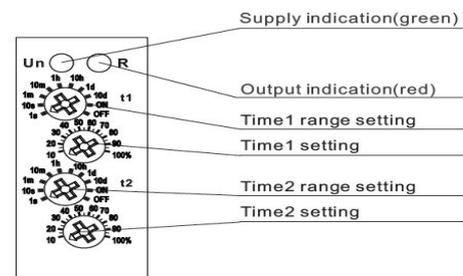
### Function Features

- 2x Delay ON (2 time relays in one)
- Time scale 0.1s - 10 days divided into 10 time ranges:  
0.1s - 1s / 1s - 10s / 0.1min - 1min / 1min - 10min / 0.1h - 1h / 1h - 10hrs / 0.1 day - 1 day / 1day - 10 days / ON / OFF.
- Times t1 and t2 are independantly adjustable
- t1 and t2 are switched on after supply voltage connection
- Relay status id indicated by LED.
- 1-MODULE,DIN rail mounting

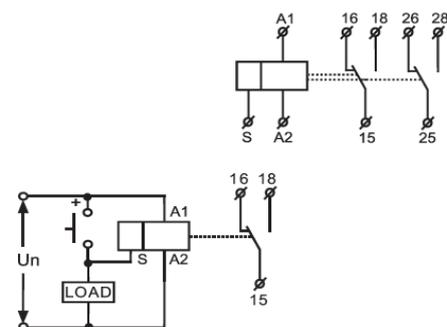


Technical parameters	ECDD2T
Function	2x Delay ON
Supply terminals	A1-A2
Voltage Range	AC/DC 12-240V(50-60Hz)
Burden	AC 0.7-3VA/DC 0.5-1.7W
Voltage Range	AC 230V (50-60Hz)
Power Input	AC max. 12VA/1.9W
Supply voltage tolerance	-15%;+10%
Supply indication	green LED
Time ranges	0.1s-10days,ON,OFF
Time setting	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	2XSPDT
Current rating	16A/AC1
Switching voltage	250VAC/24VDC
Min.breaking capacity DC	500mW
Output indication	red LED
Mechanical life	1 x 10 <sup>7</sup>
Electrical life (AC1)	1 x 10 <sup>6</sup>
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 607 15
Protection degree	IP40 for front panel/IP20 terminals
Operating position	any
Over voltage category	///.
Pollution degree	2
Max, cable size (mm <sup>2</sup> )	solid wire max.1x2. 5or 2 x 1.5/ with sleeve max. 1x2.5 (AWG 12)
Dimensions	90 x 18 x 64mm
Weight	W240-82g.A230-82g
Standards	IEC/EN 61812-1,IEC/EN61010-1

### Panel Diagram

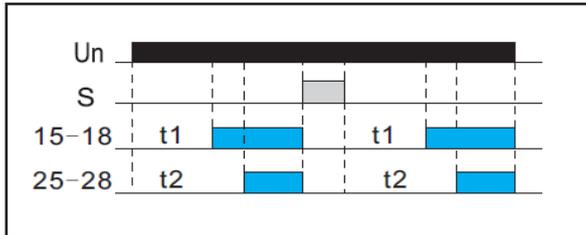


### Wiring Diagram

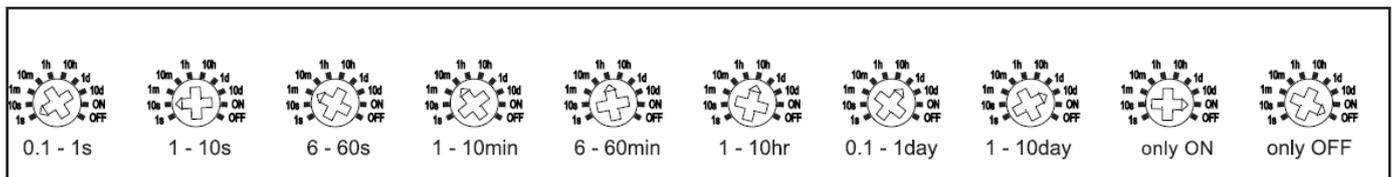


## ECDD2T| Double delay time relay

### Functions Diagram



### Time Range



### Dimensions (mm)

