


Datasheet

**Stock No: 179-2977, 179-2978, 179-2979, 179-2981, 179-2982**  
**Analogue Dial On Delay Timer**

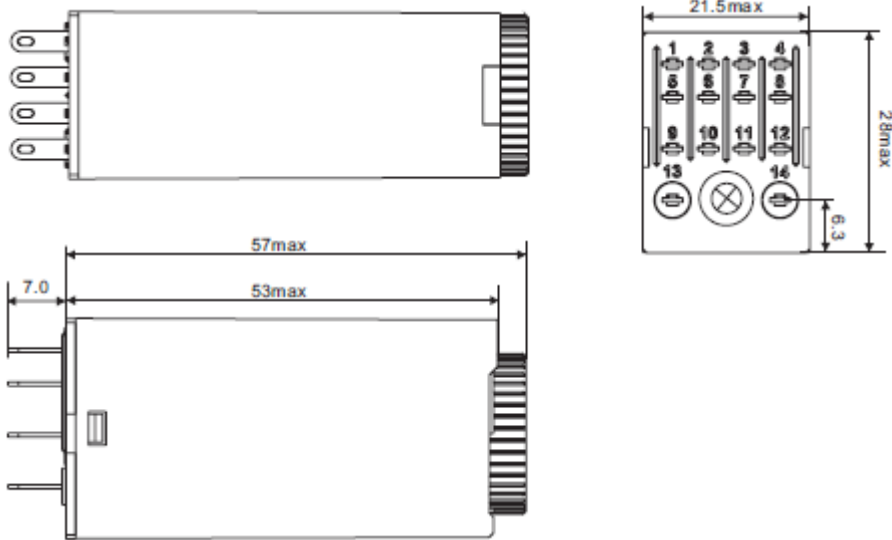


### Specifications:

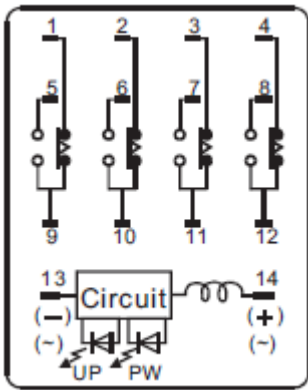
- 14 pin plug-in
- Analogue Dial Display
- On Delay timer

<b>RS Stock No</b>	<b>179-2977</b>	<b>179-2978</b>	<b>179-2979</b>	<b>179-2981</b>	<b>179-2982</b>
<b>Specification</b>					
Supply Voltage	24Vdc				
Operating Voltage Range	Rated voltage 85-110% (90%-110% is DC12V)				
Power consumption	3.5W				
Timing Function	On Delay				
Timing Range	0.1s – 1s	0.2s – 5s	0.5s – 10s	1s – 30s	2s – 60s
Contact	Configuration	4PDT (4C)			
	Rated Current AC-1	3A @ 250VAC (p.f. =1)			
Repetitive Error	±2% (FS max.)				
Setting Error	±5% (FS max.)				
Voltage Error	±2% (FS max.)				
Temperature Error	±2% (FS max.)				
Resetting Time	Min.time: 0.2 sec				
Insulation resistance	100MW (DC500V)				
Dielectric strength	Between current-carrying and Non-current-carrying parts 2000V 50/60Hz min				
	Between control output terminals and operating circuit 1500V 50/60Hz min				
	Between contacts 1000V 50/60Hz min				
Vibration Resistance	Destruction	10~55Hz with 0.75mm single amplitude each in 3 directions for 2 hours each			
	Malfunction	10~55Hz with 0.5mm single amplitude each in 3 directions for 10 minutes each			
Shock Resistance	Destruction	30G			
	Malfunction	10G			
Life Expectancy	Electrical Life	> 10 <sup>7</sup> (under no load, at 1,800 operations/hour)			
	Mechanical Life	> 10 <sup>5</sup>			
Ambient temperature	-10°C~55°C				
Ambient humidity	35~85%RH				
Mounting	14 Plug-in				
Unit Weight	Approx.60g				
Certification					

**Mounting Dimensions (mm)**

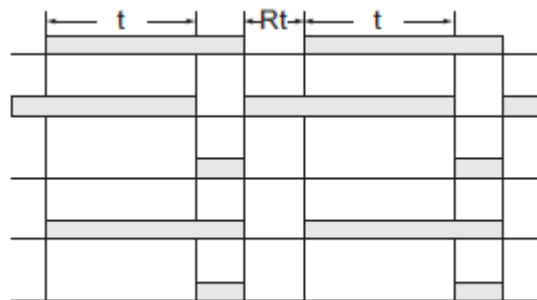


**Connection Diagram**



**Timing Diagram**

- Power 13-14
- Time-limit contact (NC)
- 9-1, 10-2, 11-3, 12-4
- Time-limit contact (NO)
- 9-5, 10-6, 11-7, 12-8
- Power indicator
- Output indicator



NOTE:  $t$ : set time,  $Rt$ : reset time