



## Schneider Electric Relays

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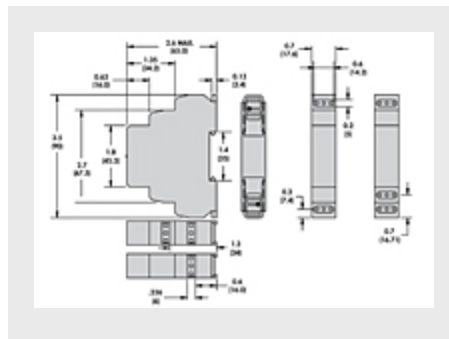
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### ITEM # 821TD10H-UNI, 820 SERIES TIME DELAY RELAYS / SPDT, 15 AMP RATING

The 821 time delay relay is a DIN rail mountable product offering **10 different timing functions** with an ultra-wide timing range (0.1 sec to 10 days), a universal voltage input (12-240 VAC/VDC) and 2 status LEDs.



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#### Specifications

<b>Check Inventory</b>	<a href="#">Check Distributor Inventory</a>
<b>Status</b>	Standard
<b>Type of Device</b>	Time Delay
<b>Rated Current Load</b>	15 A
<b>Timing Range</b>	0.1s to 10day
<b>Number of Functions</b>	10

#### California Proposition 65 Warning



**WARNING:** This product can expose you to chemicals including:  
**Substance 1:** Nickel compounds, which is known to the State of California to cause cancer.  
**Substance 2:** DIDP, which is known to the State of California to cause birth defects or other reproductive harm.  
 For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

#### Output Characteristics

<b>Contact Configuration</b>	SPDT
<b>Contact Materials</b>	Silver Alloy
<b>Current Rating at 240 VAC, 24 VDC</b>	15 A
<b>Switching Voltage</b>	24 VDC 240 VAC, 50/60 Hz
<b>Switching Voltage [hp]</b>	1 hp at 240 VAC 1/2 hp at 120 VAC
<b>Switching Voltage (Pilot Duty)</b>	B300
<b>Indication (LED)</b>	Red

### Input Characteristics -

<b>Operating Range - % of Nominal</b>	85 to 110 %
<b>Maximum Consumption AC</b>	3 VA
<b>Maximum Consumption DC</b>	1.70 W
<b>Indication (LED)</b>	Green
<b>Functions Available</b>	A - On Delay (Power On) B - Repeat Cycle (Starting Off) C - Interval (Power On) D - Off Delay (S Break) E - Retriggerable One Shot F - Repeat Cycle (Starting On) G - Pulse Generator H - One Shot I - On/Off Delay (S Make/Break) J - Memory Hold (S Make)
<b>Time Scales</b>	10
<b>Time Ranges Available</b>	0.1 to 1 s 1 to 10 s 0.1 to 1 min 1 to 10 min 0.1 to 1 H 1 to 10 H 0.1 to 1 d 1 to 10 d
<b>Tolerance, Mechanical Setting</b>	5 %
<b>Repeatability, Constant Voltage and Temperature</b>	0.20 %
<b>Reset Time, Maximum</b>	150 ms

<b>Trigger Pulse Length, Minimum</b>	50 ms
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### Performance Characteristics —

<b>Electrical Life (UL508), Operations at Rated Current (Resistive)</b>	100000
<b>Mechanical Life, Unpowered</b>	10000000
<b>Dielectric Strength - Input to Contacts</b>	2500 VAC
<b>Dielectric Strength - Between Open Contacts</b>	1000 VAC
<b>Terminal Wire Capacity</b>	14 AWG 2.10 mm_
<b>Terminal Torque (Maximum)</b>	7.10 in lb

### Environment —

<b>Ambient Air Temperature around the Device - Operation</b>	-20 to +55 °C
<b>Ambient Air Temperature around the Device - Storage</b>	-30 to +70 °C
<b>Degree of Protection</b>	IP 20

### Product Certifications —

<b>Agency Approvals</b>	UL (E234203) CE (per IEC 61810-1) RoHs
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