

SSR Timer

SeriesOneDR Timer

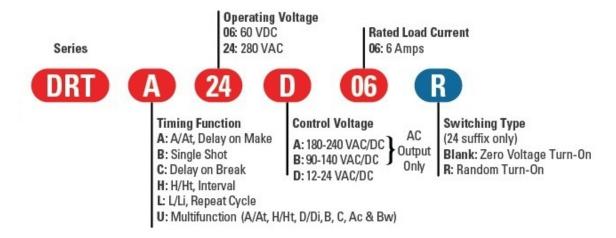


- 6 Amp AC and DC Rated output
- Compact Size (11mm wide)
- Dual SCR or MOSFET output
- AC/DC control
- Zero-crossing (resistive loads) or random-fire (inductive loads) AC output
- Timer Status LED Indicator
- UL Listed, HP rated
- 8 Industry standard functions (A/At, B, C, D/Di, H/Ht, L/Li, Ac and Bw)

PRODUCT SELECTION

Control Voltage	AC output	DC Output
12-24 VAC/DC	DRTx24D06x	DRTx06D06
90-140 VAC/DC	DRTx24B06x	
180-280 VAC/DC	DRTx24A06x	

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	DRTx24	DRTx06
Operating Voltage	24-280 VAC (47-440Hz)	1-48 Vdc
Transient Overvoltage [Vpk] @ 25°C	600	60 Vdc
Rated Load Current (2)	6 Arms	6 A
Rated Load Current {UL508 Motor Controller} (2) [Arms]	3.6 Arms	NA
Minimum Load Current	150 mArms	100 mA
Maximum Off-State Leakage Current @ Rated Voltage	0.1 mArms	20 μΑ
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/µsec] (3)	500	NA
Maximum Surge Current (AC output 1 cycle. DC output 10ms)	285/300 Apk (50/60Hz)	60 A
Maximum I²t for Fusing [A² sec]	410/375 (50/60Hz)	NA
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.3	0.3 Vdc
Maximum On-State Resistance (RDS-ON) [Ohms]	NA	0.034
HP rating UL 508/IEC60947[HP (KW)]: 240 VAC	1/3 (0.24)	NA
IEC 62314 LC-A [FLA]	6 A	NA
IEC 62314 LC-B [Kw]	1.44	NA
Wire Size min/max (solid/stranded) [AWG/ IEC mm²] (4)	22/12 [0.33/3.31]	22/12 [0.33/3.31]
Output Terminal Screw Torque [in lb (Nm)]	7.0 (0.8)	7.0 (0.8)

进口固态继电器品牌Crydom继电器说明书 固态时间继电器SSR固态计时器 UL认证固态时间继电器选型样本pdf资料进口固态定时器时间固态继电器 固态继电器定时器CRYDOM代理商 美国快达继电器cUL认证固态时间继电器



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INPUT SPECIFICATIONS (1)

Description	DRTxxxD06	DRTx24A06	DRTx24B06
Control Voltage Range	12-24 VAC/DC	180-280 VAC/DC	90-140 VAC/DC
Must Turn-Off Voltage	1 VAC/DC	20 VAC/DC	10 VAC/DC
Min Input Current @ Min Voltage (AC/DC) (for on-state)	7.6/6.3 mA (5)	7.2/7.1 mA	7.6/7.4 mA
Maximum Input Current @ Maximum Voltage	12.1/9.1 mA (6)	9.7/9.6 mA	12.5/12.3 mA
Nominal Input Impedance	2K (7)	25K	12K
Wire Size min-max (solid/stranded) [AWG/ IEC mm²] (4)	22-16 / 0.33-1.31	22-16 / 0.33-1.31	22-16 / 0.33-1.31
LED Status Indicator (Color)	Yes (green)	Yes (green)	Yes (green)
Input Terminal Screw Torque [in lb (Nm)]	4.4 (0.5)	4.4 (0.5)	4.4 (0.5)
Maximum turn-on/off time	See note 9	See note 9	See note 9

GENERAL SPECIFICATIONS

Description	Parameters	
Dielectric Strength, Input/Output/Base (50/60Hz)	3750 Vrms (8)	
Minimum Insulation Resistance (@ 500 V DC)	10 ⁹ Ohm	
Maximum Capacitance, Input/Output	10 pF	
Ambient Operating Temperature Range	-30 to 80 °C	
Ambient Storage Temperature Range	-40 to 125 °C	
Weight (typical)	1.76 oz (50 g)	
Housing Material	UL 94 V0 Self-extinguishing	
Terminal Finish	Sulfamate Nickel	
Humidity	5 - 85% Non condensing	
RoHS Exemption #'s	5(a), 7(a), 7(c)-l	
Agency Approval	UL 508 Listed, E116949	

GENERAL NOTES

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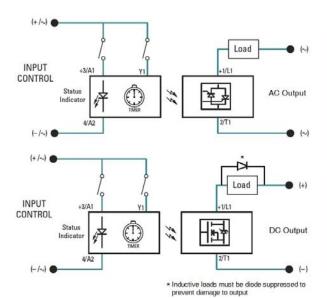
- 1) All parameters at 40°C and per section unless otherwise specified.
- 2) See derating curves.
- 3) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- 4) For UL Listing, must use wire rated @ 75°C
- 5) For DC output model minimum current spec is 15.7/12.4ma (AC/DC).
- 6) For DC output model maximum current spec is 27.9/20.3ma (AC/DC).
- 7) For DC output model, spec is 1K.
- 8) For DC output model, spec is 2500V
- 9) Activation Time = 65 ms / Deactivation Time = 100 ms

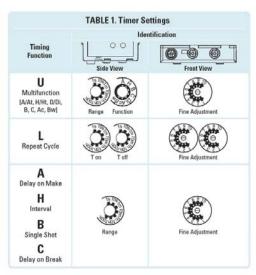
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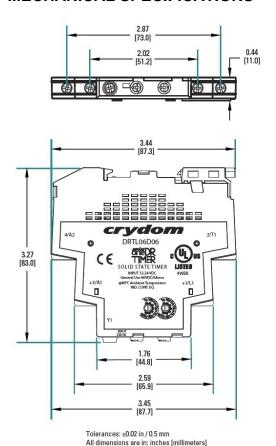
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WIRING DIAGRAM





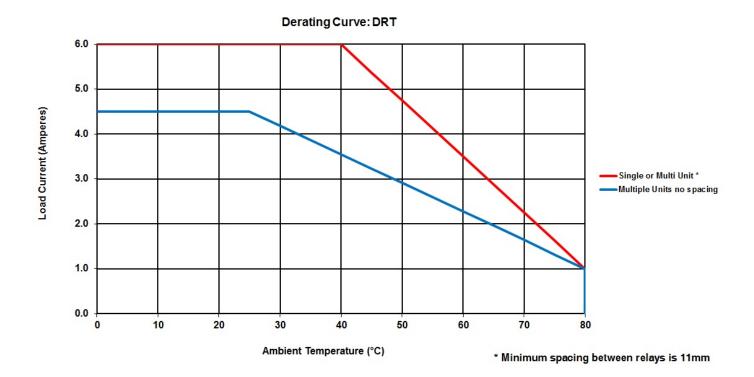
MECHANICAL SPECIFICATIONS



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THERMAL DERATE INFORMATION



AGENCY APPROVALS

Designed in accordance with the requirements of IEC 62314

IEC 60068-2-6: Vibration 0.35mm and 0.75mm Amplituted over 10-55 Hz

IEC 60068-2-27 : Shock 15G/11ms

IEC 61000-4-2: Electrostatic Discharge Level 3 IEC 61000-4-4 : Electrically Fast Transients Level 3

IEC 61000-4-5: Electrical Surges Level 3



E116949



Rev. 120712



LED STATUS FUNCTION TABLE

