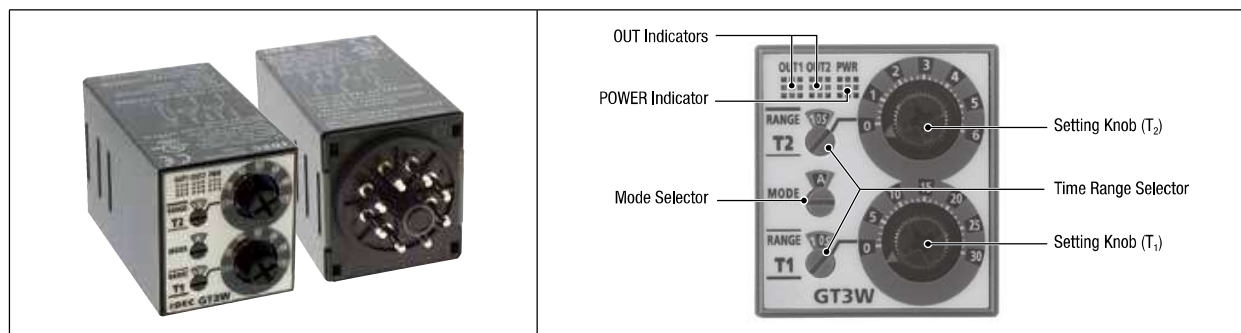


GT3W-A11, -A13, -A31, A33

Multi-range Twin-Timer with 8 operation modes



(1) Operation Mode	Rated Voltage	Time Ranges		Part No.
		T ₁	T ₂	
Sequential Start	100 to 240V AC	0.1 sec to 6 hours	0.1 sec to 6 hours	GT3W-A11AF20N
Coarse/Fine Adjustment	24V AC/24V DC		0.1 sec to 6 hours	GT3W-A11AD24N
Instantaneous Cycle	100 to 240V AC		0.1 sec to 300 hours	GT3W-A13AF20N
Cycle	24V AC/24V DC	0.1 sec to 300 hours	0.1 sec to 300 hours	GT3W-A13AD24N
Cycle Inversion	100 to 240V AC		0.1 sec to 6 hours	GT3W-A31AF20N
Interval ON	24V AC/24V DC		0.1 sec to 6 hours	GT3W-A31AD24N
Interval ON Delay	100 to 240V AC		0.1 sec to 300 hours	GT3W-A33AF20N
Sequential Interval	24V AC/24V DC		0.1 sec to 300 hours	GT3W-A33AD24N

Time Ranges

0.1 sec to 6 hours			0.1 sec to 300 hours		
Time Range Selector	Scale	Time Range	Time Range Selector	Scale	Time Range
1S	0 - 1	0.1 sec to 1 sec	1S	0 - 3	0.1 sec to 3 sec
10S		0.3 sec to 10 sec	1M		3.8 sec to 3 min
10M		15 sec to 10 min	1H		3.8 min to 3 hours
1S	0 - 6	0.1 sec to 6 sec	1S	0 - 30	0.6 sec to 30 sec
10S		1.3 sec to 60 sec	1M		38 sec to 30 min
1M		7.5 sec to 1 min	1H		38 min to 30 hours
10M		75 sec to 60 min	10H		6.3 hours to 300 hours
1H		7.5 min to 6 hours			

Contact Ratings

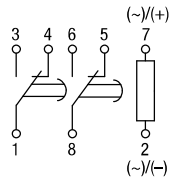
Rated Load	240V AC, 3A (resistive load) 120V AC/ 30V DC, 5A (resistive load)	
Maximum Switching Power	AC: 960VA DC: 120W	
Maximum Switching Voltage	250V AC/150V DC	
Maximum Switching Current	5A	
Maximum Switching Frequency	600 operations/hour	
Minimum Applicable Load	5V DC, 10mA (reference value)	
External Protection Element	Fuse 250V, 5A	
Life	Electrical	100,000 operations minimum (rated load)
	Mechanical	20,000,000 operations minimum

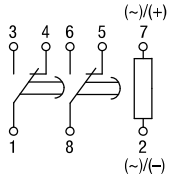
General Specifications

Operation System	Solid-state CMOS circuitry	
Operation	Multi-Mode	
Time Range	0.1 sec to 300 hours	
Pollution Degree	2 (IEC60664-1)	
Overvoltage Category	III (IEC60664-1)	
Rated Range	AF20	100 to 240V AC (50/60Hz)
	AD24	24V AC (50/60Hz)/ 24V DC
Voltage Range	AF20	85 to 264V AC (50/60Hz)
	AD24	20.4 to 26.4V AC (50/60Hz)/21.6 to 26.4V DC
Reset Voltage	Rated voltage × 10% minimum	
Operating Temperature	-10 to +50°C (no freezing)	
Storage Temperature	-30 to +70°C (no freezing)	
Operating Humidity	35 to 85% RH (no condensation)	
Storage Humidity	35 to 85% RH (no condensation)	
Altitude	0 to 2000m (operation) 0 to 3000m (transportation)	
Reset Time	60 ms maximum	
Repeat Error	±0.2%, ±10 ms (Note)	
Voltage Error	±0.2%, ±10 ms (Note)	
Temperature Error	±0.6%, ±10 ms (Note)	
Setting Error	±10%	
Insulation Resistance	100 MΩ minimum (500V DC megger)	
Dielectric Strength	Between power and output terminals: 2000V AC, 1 minute	
	Between contacts of different poles: 2000V AC, 1 minute Between contacts of the same pole: 750V AC, 1 minute	
Vibration Resistance	Damage limits/operating extremes: 10 to 55Hz, amplitude 0.75 mm, 2 hours each in 3 directions	
Shock Resistance	Operating extremes: 98 m/s ² Damage limits: 490 v 3 shocks each in 6 directions	
	Degree of Protection IP40 (timer), IP20 (socket) (IEC60529)	
Power Consumption (approx.)	AF20	2.6VA (100V AC /60Hz), 5.1VA (200V AC /60Hz)
	AD24	1.8VA (AC)/0.9W (DC)
Dimensions	40H × 36W × 70.0D mm	
Weight (approx.)	73g	

Note: The largest value becomes the error against a preset value depending on the time range.

Operation Chart

Operation Chart																												
Contact	Delayed SPDT + Delayed SPDT																											
Operation Mode Selection	Internal Connection 																											
	Sequential Start																											
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Applicable Sockets & Hold-Down Springs (Optional)

DIN Rail Mount Socket

Item	Part No.	Ordering No.	Applicable Timer	Package Quantity	Remarks	
Socket	8-Pin Screw Terminal	SR2P-06B	SR2P-06B	GT3A-1/2/3, GT3F, GT3S, GT3W	1	Hold-down spring: SFA-202 (2 pcs.)
	11-Pin Screw Terminal	SR3P-05B	SR3P-05B	GT3A-4/5/6	1	Hold-down spring: SFA-203 (2 pcs.)
		SR3P-06B	SR3P-06B		1	Hold-down spring: SFA-202 (2 pcs.)
		SR3P-05C	SR3P-05C		1	Finger-safe
Hold-Down Spring	SFA-202	SFA-202PN20	—		10 sets (20 pcs)	For SR2P-06A/SR3P-06A (2 pcs/set)
	SFA-203	SFA-203PN20	—	10 sets (20 pcs)	For SR3P-05A (2 pcs/set)	

Note: All are UL recognized, CSA certified, and TÜV approved.



Panel Mount Socket

Item	Part No.	Ordering No.	Applicable Timer	Package Quantity	Remarks	
Socket	8-Pin Solder Terminal	SR2P-511	SR2P-511	GT3A-1/2/3, GT3F, GT3S, GT3W	1	—
	11-Pin Solder Terminal	SR3P-511	SR3P-511	GT3A-4/5/6	1	—
Hold-Down Spring	SFA-402	SFA-402PN10	—	10	For SR2P-511/SR3P-511	

Note: SR2P-511 and SR3P-511 are UL recognized and CSA certified.

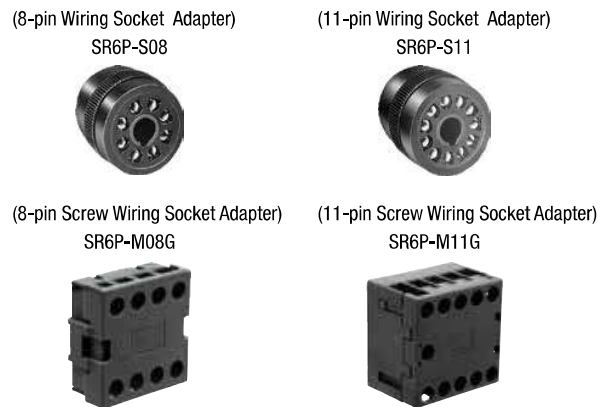


Panel Mount Adapter and wiring Socket Adapter

Package Quantity: 1

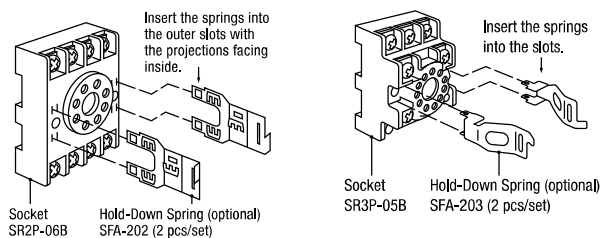
Item	Part No.	
DIN 48mm Square Panel Mount Adapter	Color: Gray	RTB-G01
	Color: Beige	RTB-M01
	Color: Black	RTB-B01
Wiring Socket Adapter	8-Pin Solder Terminal	SR6P-S08
	8-Pin Screw Terminal	SR6P-M08G
	11-Pin Solder Terminal	SR6P-S11
	11-Pin Screw Terminal	SR6P-M11G

• Finger-safe 11-pin screw wiring socket adapter (Part No.: SR6P-C11) is also available.

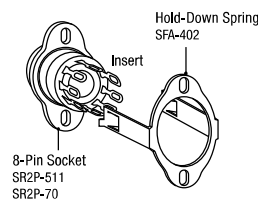


Installation of Hold-Down Springs

(DIN Rail Mount Socket)



(Panel Mount Socket)



Note: Once installed into the socket, the hold-down springs cannot be removed.