# GT3S ALL-MULTI TIMERS [STAR-DELTA TYPE]

## **TYPES**

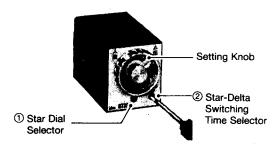
	Rated Voltage			0	Type No.		
Operation Mode	Code	Time Range	Output	Contact	8-pin Type	11-pin Type	
Star-De <del>l</del> ta	AF20: 100 to 240V AC (50/60Hz)	Star: 0.05 to 100 sec Star-delta switching time: 0.05 sec 0.1 sec 0.25 sec 0.5 sec	250V AC/30V DC, 5A	Star: Delayed SPST-NO Delta: Delayed SPST-NO	GT3S-1AF20	GT3S-1EAF20	
			(resistive load)	Star: Delayed SPST-NO Delta: Delayed SPST-NO Instantaneous SPST-NO	GT3S-2AF20	GT3S-2EAF20	

Note: Type No. including E represents 11-pin type, while Type No. without E represents 8-pin type.

## **TIME RANGES**

① Star Dial Selector		② Star-Delta Switching - Time Selector		
Dial	Time Range	Indication	Time	
0-5	0.05 sec - 5 sec	0.05	0.05 sec	
0 – 10	0.1 sec - 10 sec	0.1	0.1 sec	
0 – 50	0.5 sec - 50 sec	0.25	0.25 sec	
0 – 100	1 sec - 100 sec	0.5	0.5 sec	

GT3S (Star-Delta Type)



#### Switch Setting

- (1) The switches should be securely turned using a flat screwdriver, 4 mm wide maximum. Note that incomplete setting may cause malfunction. The switches, which do not turn infinitely, should not be turned beyond the limits.
- (2) Since changing the setting during timer operation may cause malfunction, power should be turned off before changing the setting.

### **OPERATION CHARTS**

Contact			Operation Chart					
GT3S-1	Item	Terminal No.			Or	eration		
Star:	Power	2-7 (8p) 2-10 (11p) (POWER)						
Delayed SPST-NO	Star Delayed Contact	5-8 (8p) 1-3 (11p) (NO)						
Delta:	Delta Delayed Contact	6-8 (8p) 9-11 (11p) (NO)						
Delayed SPST-NO	Indicator	Star						
3631.40	1	Delte						
	Set Tir	me	- T <sub>1</sub>			т,	-	

 The star delayed contact goes on when power is turned on and goes off after a set time for the star contact (T<sub>1</sub>). The delta delayed contact goes on after star-delta switching time (T<sub>2</sub>) and goes off when power is turned off.

 $T_1 = \text{Star ON time (Set Time)}$ 

T<sub>2</sub> = Star-delta switching time

 $T_3$  = Delta ON time

#### GT3S-2

Star: Delayed SPST-NO

Delta: Delayed SPST-NO

Instantaneous: SPST-NO

item	Terminal No.	Operation				
Power	2-7 (8p) 2-10 (11p) (POWER)					
Star Delayed Contact	5-6 (6p) 1-3 (11p) (NO)		7			
Delta Delayed Contact	6-8 (8p) 9-11 (11p) (NO)					
Instanta neous Contact	1-3 (8p) 6-7 (11p) (NO)					
Indicator	Ster					
	Detta					
Set Ti	me	7,	т,	T,		

- The star delayed contact goes on when power is turned on and goes off after a set time for the star contact (T<sub>1</sub>). The delta delayed contact goes on after star-delta switching time (T<sub>2</sub>) and goes off when power is turned off.
- The instantaneous contact goes on when power is turned on and goes off when power is turned off.

T<sub>1</sub> = Star ON time (Set Time)

T<sub>2</sub> = Star-delta switching time

 $T_3$  = Delta ON time