

GT3D-4 and -7 Multi-Function Timers (Digital Setting Type)

Operating Instructions

TYPES

Operation Mode	1-A: ON Delay, 1-B: Interval ON, 1-C: Cycle, 1-D: Cycle ON, 2-A: ON Delay, 2-B: Cycle, 2-C: Signal ON/OFF Delay, 2-D: Signal OFF Delay, 2-E: Interval ON, 2-F: One Shot Cycle, 3-A: Signal ON/OFF Delay, 3-B: Signal OFF Delay, 3-C: One Shot, 3-D: One Shot ON Delay, 3-E: One Shot, 3-F: Signal ON/OFF Delay
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Rated Voltage Code	Time Range	Output	Contact	Input	Type No.	
					With Digital Time Display	Without Digital Time Display
AF20: 100 to 240V AC (50/60Hz) AD12: 12V AC (50/60Hz)/ 12V DC AD24: 24V AC (50/60Hz)/ 24V DC	0.01 sec to 99.9 hours (For details, see TIME RANGES.)	240V AC/ 24V DC, 5A (resistive load)	Delayed DPDT	Start Reset Input	GT3D-4AF20(A), -4EAF20(B)	GT3D-4LAF20(A), -4ELAF20(B)
					GT3D-4AD12(A), -4EAD12(B)	GT3D-4LAD12(A), -4ELAD12(B)
					GT3D-4AD24(A), -4EAD24(B)	GT3D-4LAD24(A), -4ELAD24(B)
		240V AC/ 24V DC, 5A (resistive load)	Delayed SPDT	Start Reset Input	GT3D-7AF20	GT3D-7LAF20
					GT3D-7AD12	GT3D-7LAD12
					GT3D-7AD24	GT3D-7LAD24

Note 1: GT3D-4 is available with the two internal connections (A and B types). Type No. without E represents the A type, and with E represents the B type.

TIME RANGES

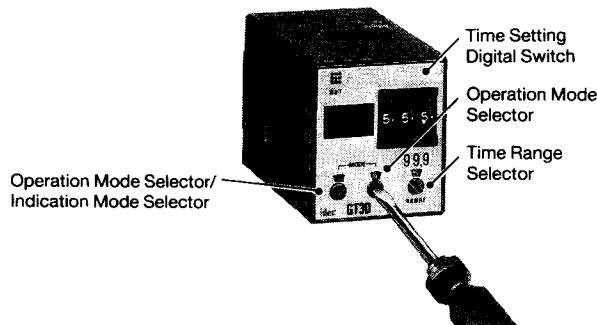
Indication	9.99	99.9	999	99.9	999	99.9
Time Range	0.01 to 9.99 sec	0.1 to 99.9 sec	1 to 999 sec	0.1 to 99.9 min	1 to 999 min	0.1 to 99.9 hours

INDICATION MODE

	Timing Down
	Timing Up

• Switch Setting

- 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.
- Since changing the setting during timer operation may cause malfunction, power should be turned off before changing the setting.



• Inputs

To avoid electric shock, do not touch the input signal terminal during power voltage application.

- When connecting the input signal terminals of two or more GT3D timers to the same contact or transistor, the input terminals of the same number should be connected. (Connect Terminals No. 2 in common for GT3D-4 and No. 3 in common for GT3D-7.)
- In a transistor circuit for controlling input signals, with its primary and secondary power circuits isolated, do not ground the secondary circuit.
- Connect the input signal terminals of the GT3D-4 timer to terminal No. 2 only and of the GT3D-7 timer to terminal No. 3 only. Never apply voltage to other terminals, otherwise the internal circuit may be damaged.
- Input signal lines must be made as short as possible and installed away from power cables and power lines. Shielded wires or a separate conduit should be used for input wiring.

• Other Precautions

- GT3D timers do not produce control outputs in the following operation modes with the digital switch set to 000.
 Operation Mode [1-B, 2-E, 2-F, 3-B, 3-C, 3-E]
- Do not select and from the operation modes. The timer does not function in these two operation modes.

