Automation for a Changing World

Delta
Timer/Counter/Tachometer
CTA Series

www.deltaww.com

DELTA

Smarter. Greener. Together.

Features

- 3-in-1 timer/counter/tachometer
- Mixed timer + counter function
- 6-digit LCD display
- Maximum speed of the counter: 10 Kpps
- NPN or PNP input signals available
- Pre-scale function
- Counting types: 1-stage, 2-stage, batch, total, dual

Ordering Information

CTA 4 0 0 0 A
(1) (2) (3) (4) (5)

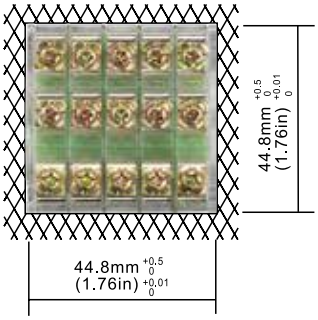
(1)	**Panel size**	4 : 48 mm × 48 mm
(2)	**Output 2**	0 : Transistor ; 1 : Relay
(3)	**Preset stage**	0 : 2 stages
(4)	**Communication**	0 : None ; 1 : Communication
(5)	**Power supply**	A : AC100~240V ; D : DC24V

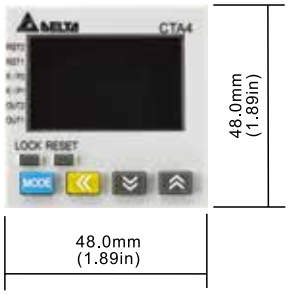
Specifications

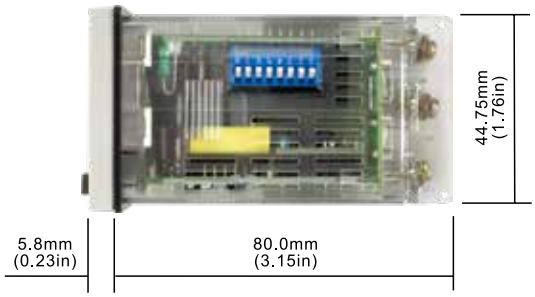
Power input	100 ~ 240 V_{AC}, 50 / 60 Hz or 24 V_{DC}, isolated switching power supply
Input voltage range	85% to 110%, rated voltage
Power consumption	Less than 10VA
External power supply	12 DC ± 10%, 100 mA
Display	Double-line, 6-digit negative transmissive LCD display
Input signal	Non-voltage input (NPN): ON impedance max. 1 K ohm ON residual voltage: max. 2 V
	Voltage input (PNP): High level: 4.5 to 30 V_{DC}, Low level: 0 to 2 V_{DC}
Output 1	Relay: SPST max. 250 V_{AC}, 5A (resistance load)
	Transistor: NPN open collector. When 100 mA / 30 V_{D}C, residual voltage = max. 1.5 V_{DC}
Output 2	Relay: SPDT max. 250 V_{AC}, 5A (resistance load)
	Transistor: NPN open collector. When 100 mA / 30 V_{DC}, residual voltage = max. 1.5 V_{DC}
Dielectric strength	2000 V_{AC} 50 / 60 Hz for 1 minute
Vibration resistance	Without damage: 10 ~ 55 Hz, amplitude = 0.75 mm, 3 axes for 2 hours
Shock resistance	Without damage: drop 4 times, 300 m/s^2, 3 edges, 6 surfaces and 1 corner
Ambient temperature	0 ° C to +50 ° C
Storage temperature	-20 ° C to +65 ° C
Altitude	2000 m or less
Ambient humidity	35% to 85% RH (non-condensing)
Pollution degree	2
Communication	RS-485

Dimensions

Dimensions are in mm (in.)

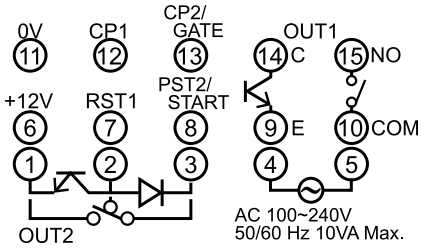




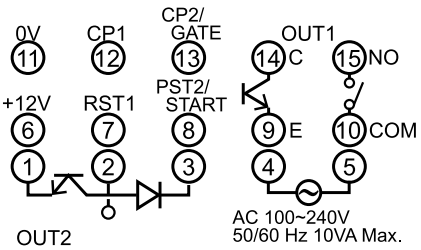


Terminal Definition

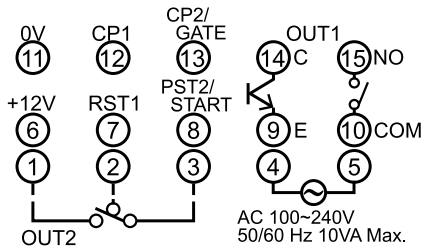
CTA4 Series



Counter	Timer	Tachometer	Timer + Counter
CP1		CP1	CP1
CP2	Gate		Gate
Reset1	Reset1	Reset1	Reset1
Reset2	Start		Start



CTA4000 Series



CTA4100 Series

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