



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: 10Kpps
- NPN or PNP input signals available
- Pre-scale function
- Counting types: 1-stage, 2-stage, batch, total, dual



Ordering Information

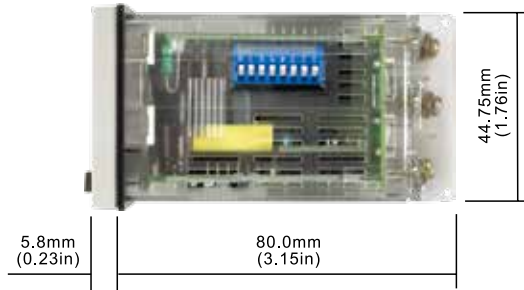
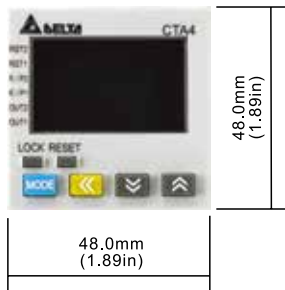
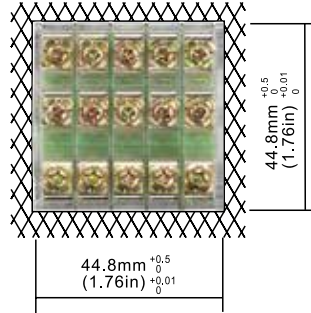
CTA 4 0 0 0 A
 1 2 3 4 5

| | | |
|---|---------------|------------------------------|
| 1 | Panel size | 4 : 48mmX48mm |
| 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

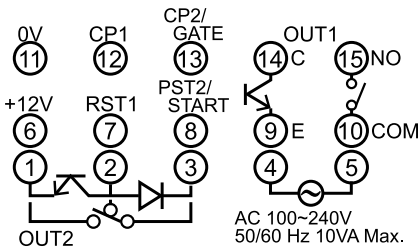
| | |
|-----------------------|---|
| Power input | AC100~240V, 50/60Hz or DC24V, isolated switching power supply |
| Input voltage range | 85% to 110%, rated voltage |
| Power consumption | Less than 10VA |
| External power supply | 12DC ±10%, 100 mA |
| Display | Double-line, 6-digit negative transmissive LCD display |
| Input signal | Non-voltage input (NPN): ON impedance max. 1K ohm ON residual voltage: max. 2V |
| | Voltage input (PNP): High level: 4.5 to 30VDC, Low level: 0 to 2VDC |
| Output 1 | Relay: SPST max. 250VAC, 5A (resistance load) |
| | Transistor: NPN open collector. When 100mA/30VDC, residual voltage = max. 1.5VDC |
| Output 2 | Relay: SPDT max. 250VAC, 5A (resistance load) |
| | Transistor: NPN open collector When 100mA/30VDC, residual voltage = max. 1.5VDC |
| Dielectric strength | 2000VAC 50/60 Hz for 1 minute |
| Vibration resistance | Without damage: 10 ~ 55Hz, amplitude = 0.75mm, 3 axes for 2 hours |
| Shock resistance | Without damage: drop 4 times, 300m/s ² , 3 edges, 6 surfaces and 1 corner |
| Ambient temperature | 0 °C to +50 °C |
| Storage temperature | -20 °C to +65 °C |
| Altitude | 2000m or less |
| Ambient humidity | 35% to 85% RH (non-condensing) |
| Pollution degree | 2 |
| Communication | RS-485 |

Dimensions

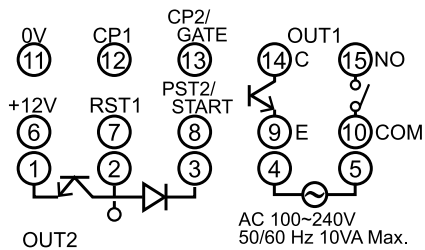


Terminal Definition

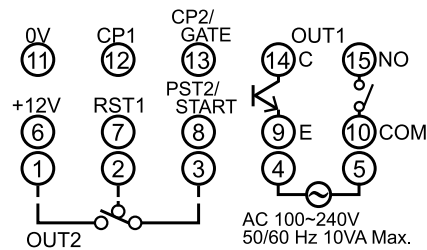
CTA4 Series



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



CTA4000 Series



CTA4100 Series



Smarter. Greener. Together.

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*We reserve the right to change the information in this catalogue without prior notice.