



# ET2-31

## MULTI-FUNCTION ANALOGUE TIMER

### User's Manual

#### RESTRICTIONS ON USE

When using this product in applications that require particular safety or when using this product in important facilities, please pay attention to the safety of the overall system and equipment. Install fail-safe mechanisms, perform redundancy checks and periodic inspections and adopt other appropriate safety measures when it is necessary. This product is rated at Class II

#### SAFETY PRECAUTION

- This manual uses the following symbols to ensure safe operation of this product.
- WARNING** Warnings are indicated when mishandling this product might result in death or serious injury to user.
  - CAUTION** Cautions are indicated when mishandling this product might result in minor injury to the user, or only physical damage to the timer.

#### WARNING

- Note this incorrect wiring of this product can damage it and lead to other hazards. Make sure the product has been correctly wired before turning the power ON.
- Before wiring, or removing / mounting the product, be sure to turn the power OFF. Failure to do so might cause electric shock.
- Do not touch electrically charged parts such as the power terminals. Doing so might cause electric shock.
- Do not disassemble the product. Doing so might cause electric shock or faulty operation.

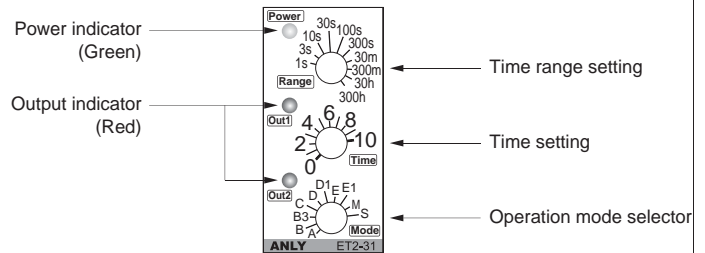
#### CAUTION

- Use the product within the operating ranges recommended in the specification (temperature, humidity, voltage, shock, mounting direction, atmosphere and etc.). Failure to do so might cause fire or faulty operation.
- Firmly tighten the wires to the terminal. Insufficient tightening of the wires to the terminal might cause fire.

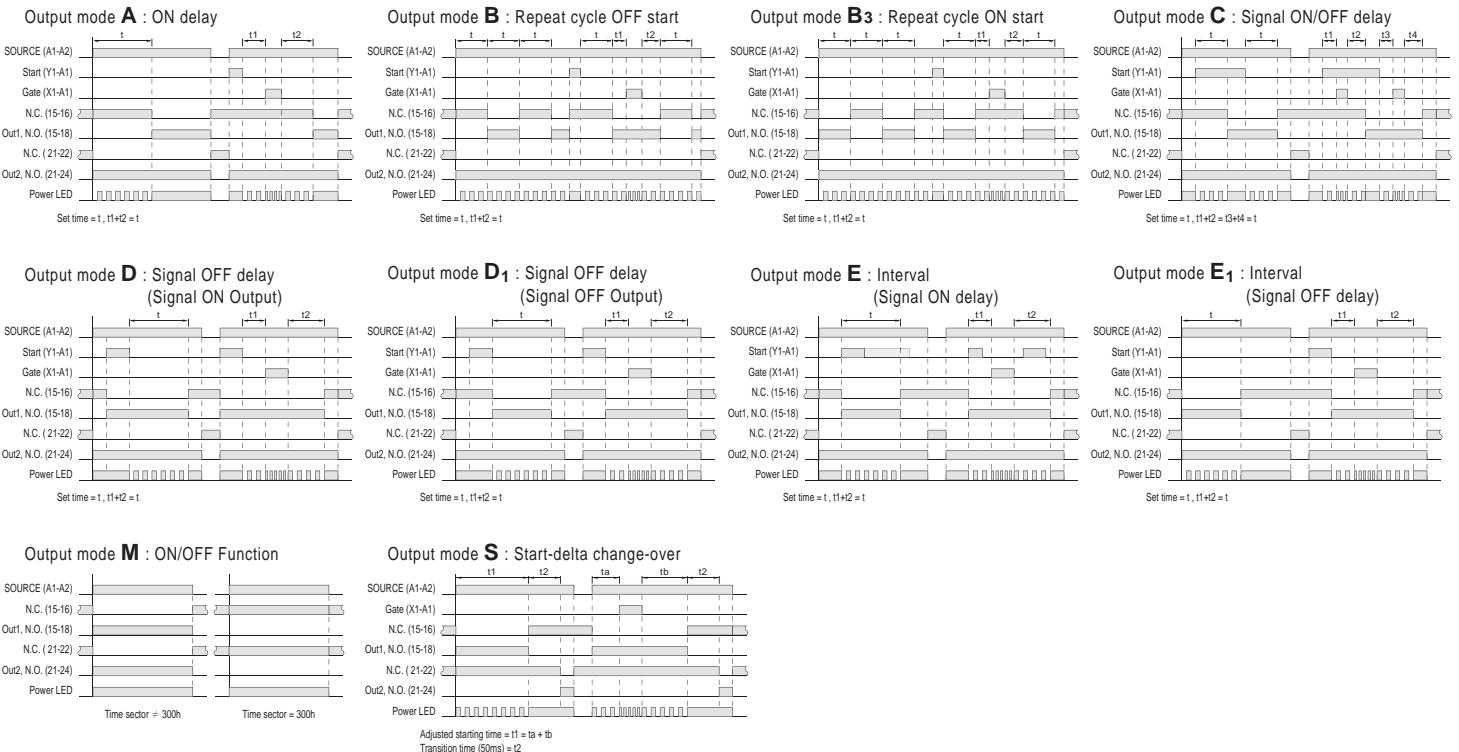
#### SPECIFICATIONS

Operating voltage	AC/DC : 24 - 240V
Allowable operating voltage range	85 ~ 110% of rated operating voltage
Rated frequency	50 / 60 Hz
Contact rating	250VAC 5A (Resistive load)
Reset time	MAX 0.1S
Power consumption	Approx. 3VA
Life	Mechanical : 5,000,000 times / Electrical : 100,000 times
Ambient temperature	-10 ~ +50 °C (without condensation & freezing)
Ambient humidity	MAX 85% RH (without condensation)
Altitude	MAX 2000m
Weight	Approx. 90g

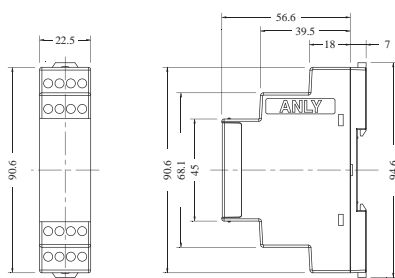
#### NAMES AND FUNCTIONS OF FACEPLATE



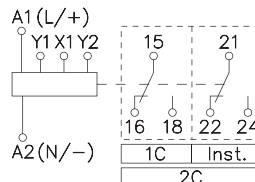
#### TIMING CHART



#### DIMENSION(mm)



#### CONNECTION



Type	ET2-31	
Contact	Short	Open
Y1 - A1	Start	---
X1 - A1	Gate	---
Y2 - A1	2C	1C+Inst.