



48 x 48mm

Features :

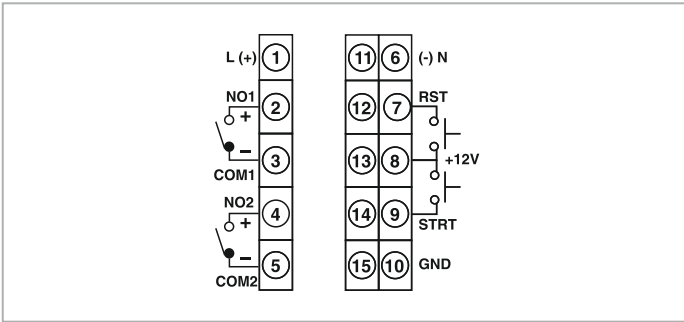
- ▶ 7 Functions
- ▶ 9 Time ranges
- ▶ 4 Digits, 7 segment LED Dual display
- ▶ LED Status indications: Relay status, Seconds, Minutes, Hours
- ▶ Dual set point
- ▶ Batch function

Certifications:  

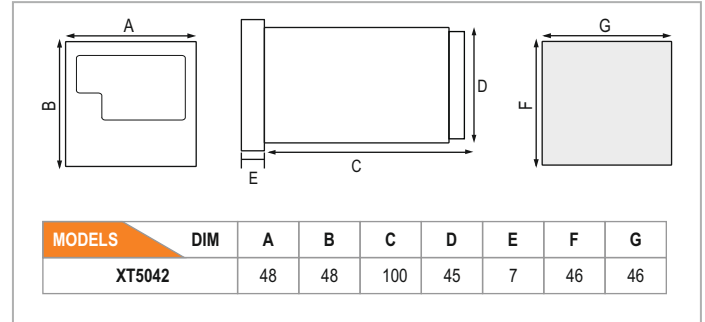
Technical specifications

| Display specifications | |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Display | 4 digits, 7 segment LED, dual display |
| LED indication | 1: Relay1 2: Relay2, Second, Minutes, Hours |
| Input specifications | |
| Start input | Gate/ Pulse start (programmable) |
| Accuracy | ±0.05% of F.S. or 50msec (F.S. = Full Scale) |
| Output specifications | |
| Relay contact | 2 C/O SPDT |
| Contact rating | 5A @ 230 VAC |
| Functional specifications | |
| Modes | ON delay, Interval, Cyclic ON first, Cyclic OFF first, Forward - Pause - Reverse, Instantaneous + Delayed Batch |
| Time ranges | 0 - 99.99sec, 0 - 999.9sec, 0 - 9999sec, 0 - 99: 59min: sec, 0 - 999.9min, 0 - 9999min, 0 - 99: 59hr : min, 0 - 999.9hr, 0 - 9999hr |
| Resolution | 0.01sec |
| Counting direction | Up/ Down |
| Set point | 2 |
| Time setting | By keys on front panel |
| Reset | Front, Remote, On Power interruption (programmable) |
| Memory retention | Yes |
| Configuration lock | Password protected |
| Auxiliary supply specifications | |
| Supply voltage | 90 to 270 VAC/ DC (50/ 60Hz), 24 VAC/ DC |
| Power consumption | 5VAmx |
| Environment specifications | |
| Temperature | Operating: 0 to 50°C (32 to 122°F) Storage: - 20 to 75°C (- 4 to 167°F) |
| Humidity (non - condensing) | 95% RH |
| Mechanical specifications | |
| Mounting | Panel mount |
| Weight | 175gms |

Terminal connections

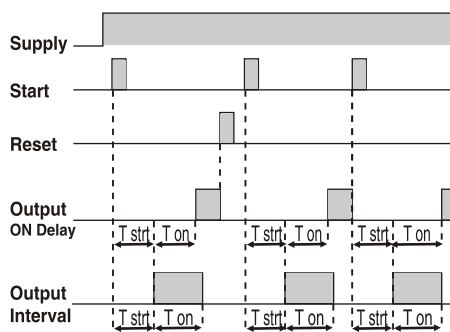


Dimensions (All are in mm)

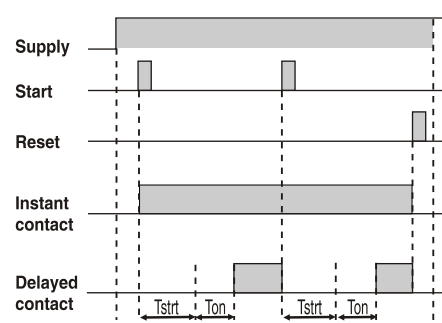


Timing diagrams

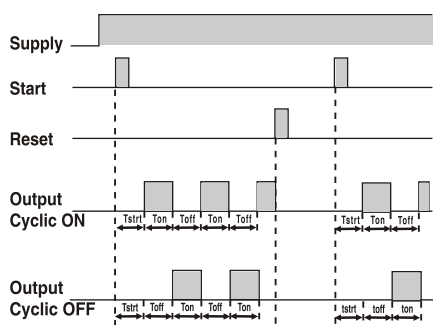
1. On delay, Interval modes:



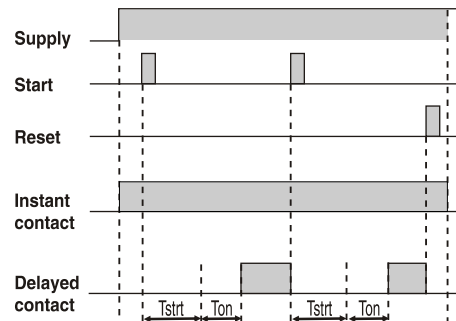
2. Instantaneous + Delayed at start pulse:



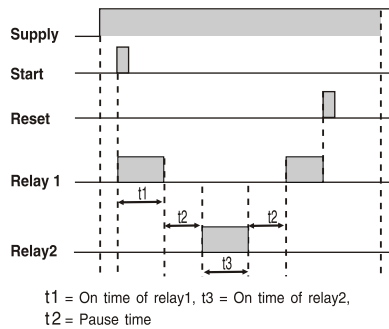
3. Cyclic ON first, Cyclic OFF first modes:



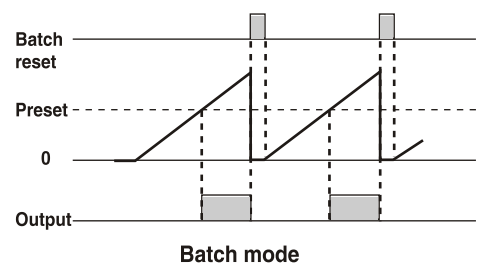
4. Instantaneous + Delayed at power on:



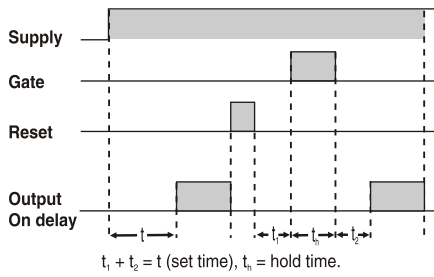
5. Motor reverse mode:



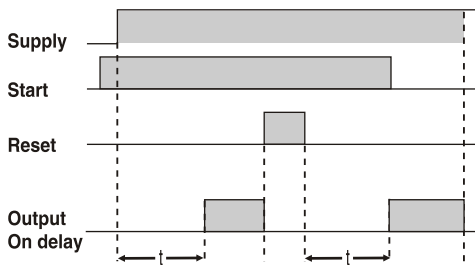
6. Batch mode



7. Typical application of Gate start in ON delay mode :




8. Typical application of Continuous start and reset in On delay mode:



Compliance

| Applicable EMI / EMC Standards | | |
|-----------------------------------|---------------------|---------------|
| Product Standard | | |
| Category | Reference Standards | Testing Level |
| Electrostatic Discharge | IEC 61000-4-2 | Level-3 |
| Electrical Fast Transient / Burst | IEC 61000-4-4 | Level-3 |
| Electromagnetic Field | IEC 61000-4-3 | Level-3 |
| Surge | IEC 61000-4-5 | Level-3 |
| Conducted RF | IEC 61000-4-6 | Level-2 |
| Rated Power Frequency | IEC 61000-4-8 | Level-4 |
| Voltage Dip/ Short Interruptions | IEC 61000-4-11 | Level-3 |
| Conducted Emissions | CISPR-11 | Class-B |
| Rated Emissions | CISPR-22 | Class-A |
| Emission & Immunity | IEC 61326-1 | |
| Safety | IEC 61010-1 | |
| PFMF (Passing criteria) | IEC 61000-4-8 | Class A |

Ordering information

| Product code | Supply voltage | Certification |
|----------------|-------------------|------------------------------------------------------------------------------------------|
| XT5042 | 90 to 270 VAC/ DC | CE |
| XT5042-CU-ROHS | 90 to 270 VAC/ DC | CE  |
| XT5042-24V | 24 VDC | --- |