

Multi-Programmable Timers

Model PTC-21

£81

Shown



Shown Actual Size



- ✓ 1/6 DIN Cutout
- ✓ Three Different Models: Standard, High Performance and Repeat Cycle
- ✓ Four-Digit Dual Line Display Indicates Set Value and Time Value
- ✓ All Models Offer Multiple Field Programmable Modes for Operation and Time Ranges
- ✓ Multiple Levels of Security Prevent Unauthorised Set Value or Parameter Changes
- ✓ IP65 (NEMA 4) Rated for Use in Washdown Conditions
- ✓ Universal AC Supply Voltage (90 to 264 Vac) or Optional 24 Vac/Vdc Models
- ✓ Front Panel Programming with an Intuitive Button-Per-Digit Interface
- ✓ 5 Amp Relay Output or Open Collector Output
- ✓ Industry Standard 11-Pin Socket Connection

If you are looking to fit your control panel with timers that have an attractive LED display, consider the new PTC-20 series that deliver functionality at competitive prices.

Designed for you to best fit the correct timer to your application, the PTC-20 series is divided into three separate models. The PTC-21 base unit offers five field-selectable operating modes and time ranges as well as a host of other convenient features. The high performance PTC-23 model offers advanced functions such as dual setpoints and 1 ms resolution. The PTC-22 repeat cycle model provides a repeat cycle (batch stop, batch continue) and interval modes specifically tailored for cyclical operations.

With ultimate simplicity in mind, the PTC-20 series utilises an intuitive button-per-digit method for setpoint input and easy to follow scroll-thru menus for programming. The dual line display optimises the interface by indicating both the present time value and the setpoint, while up to 8 annunciator lights provide status.

Multi-level security enables shop floor access to be custom tailored to your needs.

Intended for tough industrial conditions, the PTC-20 Series offer a IP65 (NEMA-4) rated front panel and a high degree of noise immunity. Choose from models with a 5 amp relay, which can directly drive a load, or solid state outputs for high speed applications.

COMMON SPECIFICATIONS

Supply Voltage: 90 to 240 Vac 50/60 Hz or 24 Vac/Vdc
Power Consumption: <10 VA
Resolution: Settable for XXXX or XX.XX for hrs., mins. and secs. ranges
Inputs Start and Reset: NPN or dry contact
Activation Time: 4 ms 24 Vac/Vdc units, 21 ms (85-264 Vac powered units)
Impedance: 10 KΩ
Front Panel Rating: IEC IP65

Operating Temperature:

0 to 55°C (32 to 131°F)

Storage Temperature:

-40 to 90°C (-40 to 194°F)

Humidity: 5 to 95% RH non-condensing

Memory: Nonvolatile

Operation

Time Ranges: Hrs., Mins., Secs., Hrs.: Mins., Mins.: Secs.

Repeat Accuracy: ±0.01%

Physical Dimensions: 48 H x 48 W x 85 mm D (1.89 x 1.89 x 3.35")

Display: Dual line, 4-digit, 7-segment LED, 8 mm (.31") high

Mounting: Panel mounting 45 x 45 mm (1.89 x 1.89") cutout or DIN rail

Wiring Connection: Screw terminals on an 11-pin socket

Weight: 100 g (3.5 oz)



Shown actual size



PTC-21 Base Model
Output: Timed Relay: DPDT (5 A)
Operating Modes (shown):
 On Delay, Off Delay, ON Delay (Interval), Interval, and Repeat Cycle

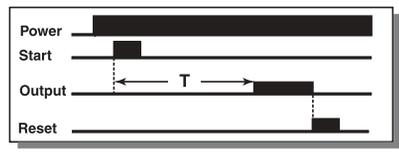


PTC-22 Repeat Cycle
Inhibit: NPN or dry contact
Outputs: Relay: 2 SPDT (5 A) 15 ms latency; Transistor: NPN
Open Collector: 30 Vdc, 30 mA max.
Operating Mode (shown):
 Repeat Cycle: batch stop, batch continue and interval



PTC-23 High Performance
Inhibit: NPN or dry contact
Outputs: Relay: 2 SPDT (5 A) 15 ms max latency; Transistor NPN
Open Collector: 30 Vdc, 30 mA max. opto isolated
Operating Modes: 17 different operating modes available (popular modes shown)

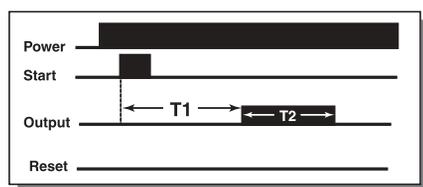
On-Delay



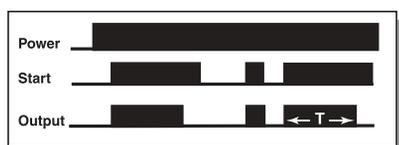
Off-Delay



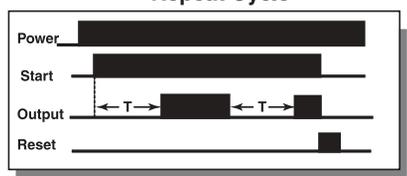
ON Delay/Interval



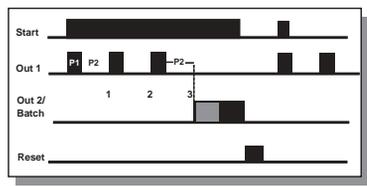
Interval



Repeat Cycle



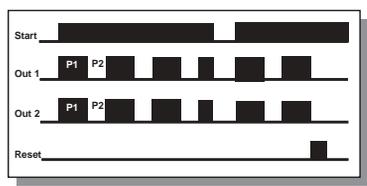
Repeat Cycle - Batch/Stop



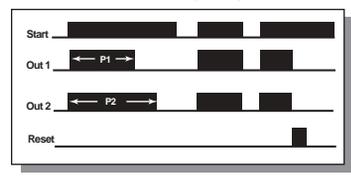
Repeat Cycle - Batch/Continue



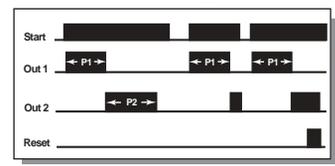
Repeat Cycle - Interval



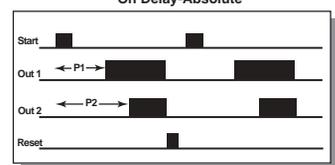
Interval 1-Begin Together



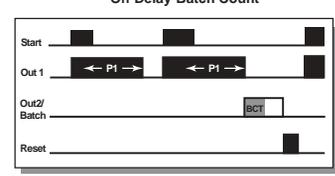
Interval 1-Sequential



On Delay-Absolute



Off Delay-Batch Count



To Order (Specify Model Number)

| Model Number | Price | Description |
|--------------|-------|------------------------|
| PTC-21 | £81 | Standard timer |
| PTC-22 | 98 | Repeat cycle timer |
| PTC-23 | 98 | High performance timer |

Ordering Example: PTC-23-LV-OC, high performance timer with 24 Vac/Vdc power and NPN open collector output, £98 + 12.25 = £110.25

Options

| Ordering Suffix | Price | Description |
|-----------------|--------|-----------------------|
| - LV* | £12.25 | 24 Vac/Vdc power |
| - OC* | N/C | Open collector output |

* Not available on PTC-21