

1/8 DIN Very-High-Performance Process Timer Controller



PTC41



PTC41 shown smaller than actual size.

- ✓ 6-Digit Alphanumeric Display
- ✓ Configurable Via Front-Panel Pushbuttons or RS232/RS485 Communications
- ✓ 8 Built-In Time Bases
- ✓ Resolution to 0.01 Second
- ✓ Count Up or Down Modes
- ✓ 4 Isolated Open-Collector Outputs
- ✓ 5 Controller Output Modes
- ✓ Time or Day Clock
- ✓ Battery Backup—Optional
- ✓ NEMA 4 Front Bezel
- ✓ RoHS 2 Compliant

The PTC41 multipurpose panel meter functions as a clock/timer controller or stopwatch. The unit features 8 different time bases along with a built-in date function. Five controller output modes enable the user to program the unit for virtually any timer control application.

The PTC41 is perfectly suited for life cycle testing, turning 4 loads on and off based on timing cycle. The clock time base is derived from the 50 or 60 Hz power line and from the internal crystal oscillator.

Front-panel pushbuttons allow configuration and access to the meter's many features. These features can also be accessed through RS232 or RS485 serial communications. The front panel displays values and messages with six 14-segment LEDs.

Specifications

Accuracy: Maximum error, ± 50 ppm over full temp range; warm-up to rated accuracy, 55 minutes

Display: 6-digit, 14-segment LED, 14.2 mm H (0.56"); 4 LED outputs to indicate ON or ACTIVE mode

Display Modes: 12-hour clock, 24-hour clock, 99-day, 99-hour, 99-minute, 999999-hour, 9999.99-hour, 9999.99-minute, 9999.99-second

TTL Outputs: 4, standard; rated 150 mA at 1V sink; 30V open

Relay Outputs (Optional): Dual relays, form "C", 7 A at 30 Vdc or 230 Vac

Four-Relay Board: Dual 7 A plus dual 1 A form "C" relays

Power: 115 or optional 230 Vac $\pm 10\%$, 49 to 440 Hz (to 440 Hz with 110 or 220V minimum)

Power Consumption: 3 to 10 W maximum

Input Threshold: 1 to 3.5V

Protection Level: 24 Vdc

Connection: Two 3-socket input plugs

Input Resistance:

30 k Ω pull-up resistor to 5V

Operating Temp Range: 0 to 50°C (32 to 122°F)

Relative Humidity: 90% at 40°C (104°F), non-condensing

Dimensions: 48 H x 96 W x 156 mm D (1.89 x 3.78 x 6.13")

Panel Cutout: 45 H x 96 mm W (1.772 x 3.622"); 1/8 DIN

Weight: 574 g (1.27 lb)

Panel Punches Available

To Order

Model No.	Description
PTC41	Programmable timer

Battery Backup and Power Options

Order Suffix	Description
-BB1	Battery backup
-230	230 Vac power

Accessories

Model No.	Description
DP40-R	Dual 7 A mechanical relays
DP40-R4	Dual 7 A and dual 1 A relays
DP40-S24	Isolated RS232C/RS485 communications
PTC41-BATTBKUP	Battery backup

Comes complete with operator's manual.

Ordering Example: PTC41-BB1, programmable timer with battery backup, and DP40-S24, RS232C communications.