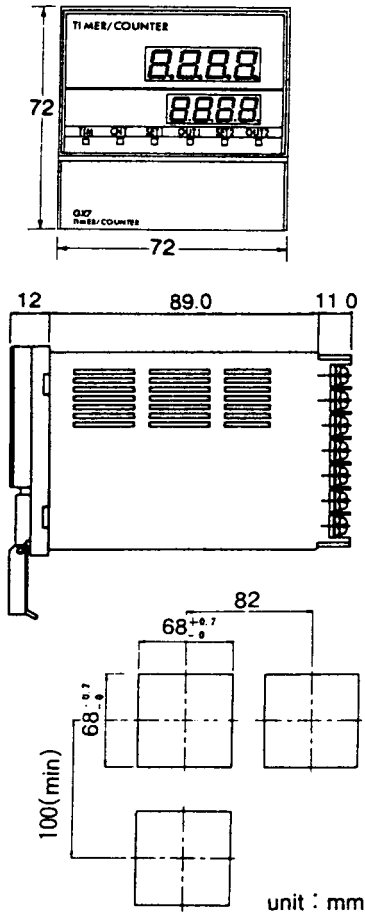


DIMENSIONS



Series GX7-P6

72mm², 6 and 4 Digit
1 or 2 Level Count/Control



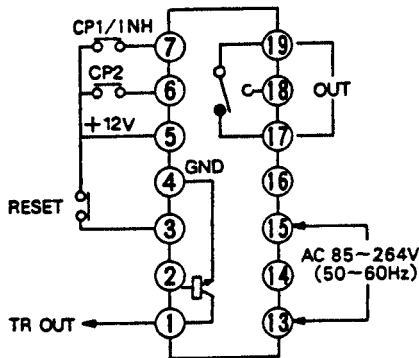
COUNTERS

FEATURES

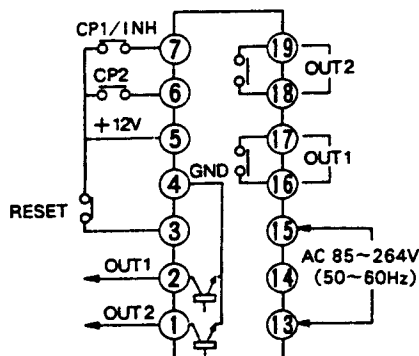
- Input Scaling
- LED Count Display
- LED Preset Display
- 10 Count Input Modes
- 8 Count Output Modes
- 50mA Sensor Power Available
- 2 Amp Relay and Transistor Outputs
- 72mm² Front Panel
- Front Panel Mode/Range Selections
- Economically Priced

WIRING

ONE COUNT LEVEL



TWO COUNT LEVELS



OPERATION

The GX7 Count Controls are very versatile and full featured to allow solving most single level and two level counter application problems. The dual LED digital displays allow monitoring progress of the process while also showing the setpoint. Separate LED lamps are on the front panel to show whether the unit is functioning as a Counter or Timer, which preset is active, and to indicate the status of each Output. All functions and modes are programmable from the Front Panel Keys. Some of the more noteworthy features of the GX7 are built-in scaling, relay and transistor outputs, 10 count modes, 8 output modes and universal input power of 85 to 264VAC. The popular 72mm² housing, screw terminal wiring and lost cost vs. features ratio make the GX7 Family very attractive for most applications.

APPROVALS

UL, C-UL, File No. E171499, CE

SPECIFICATIONS

NUMBER OF DIGITS

Four or Six

NUMBER OF CONTROL PRESETS

One or Two

COUNT INPUT SCALING

0.001, P4; 0.00001, P6

COUNT SPEED

Programmable; 30, 1000, 2000, 5000cps

COUNT MODES

Count Up With Inhibit
Count Down With Inhibit
Quadrature Up/Down
Count With Direction
Separate Up/Down Inputs

COUNTER DECIMAL POINT

Any Position When Scaling

COUNT OUTPUT 2 MODES

Latch Until Reset - Hold Count (N)
Latch Until Reset - Keep Counting (F)
Auto Recycle at Start of One Shot Output (C)
Auto Recycle at End of One Shot Output-Hold Count (R)
One Shot Output - Keep Counting Until Reset (K)
Latch Until Next Count Input (P)
Auto Recycle at End of One Shot Output-Keep Counting (Q)
One Shot Output-Hold Count Until Reset (A)

ONE SHOT COUNT OUTPUT 2 TIMES

Programmable - 10ms, 50ms, 100ms, 200ms, 500ms, 1s, 2s, 5s

COUNT OUTPUT 1 MODES

Latch Until Reset (N,F,A)
Latch Until Output 2 complete (C,R,K,P,Q)
One Shot at 500ms (all)

COUNT/RESET INPUTS

External Contact
PNP Sourcing Transistor

RESET OPTIONS

Front Panel Key
External Contact

RESET TIME

0.02 Sec. Min.

POWER SUPPLY FOR SENSORS

12VDC, 50mA Max.

OUTPUTS

1 Preset: 1 Relay, SPDT; 1 Transistor
2 Preset: 2 Relays SPST; 2 Transistors
Relays: 2A @240VAC Resistive
Transistors: NPN 30VDC @ 100mA Max.

MEMORY

Lithium Battery

OPERATING POWER

85-264VAC, 50/60 Hz.

POWER CONSUMPTION

5VA

SETTING METHOD

Front Panel Keypad for All Functions

FRONT PANEL DISPLAYS/INDICATORS

Count Value: Green LEDs
Set Value: Red LEDs
Time or Count Mode: Red LEDs
Setpoint 1 & 2: Red LEDs
Control Outputs 1 & 2: Red LEDs

MOUNTING

Front Panel (Mounting Clips Supplied)

TERMINATION

Built-In Screw Terminals

OPERATING TEMPERATURE

-10 to +55 Degrees C

HUMIDITY

35% to 85% RH

ORDERING INFORMATION

GX7	—	P	6	X	E
Model Number				Control Levels	
			4 = Four Digit 6 = Six Digit	1 = One 2 = Two	
Model Number Example: GX7-P62E					

Before starting your design, read the safety statement on the inside back cover of the ATC catalog.