GENERAL DETAILS
OF TYPE Q TIMERS

Q series timers are compact, low cost, precision devices designed to the most demanding specifications. The small size, epoxy filled case is highly resistant against dust, vibrations, shock and humidity. Creep and strike distance according to VDE 0110 Group C 250V. Case protection IP66. Case material - Phenolic.

QAS SERIES
DELAY ON MAKE
ELECTRONIC TIMER
UL listed  CSA recognized

SPECIFICATIONS:

- Input Power: 24 VAC/DC, 110 VAC/DC
  - 220 VAC/DC ±15%, 50/60 Hz
- Output Rating: max. 1.0 A at 20°C
  - min.: 10 mA
- Voltage drop after timing: 3.5 VAC/DC
- Repetition accuracy: ±0.5% at a constant ambient
- Temp rise derating: 5 mA/°C
- Reset time SAS & SAS-D: 25 ms after timing
  - 50 ms during timing
- Leakage current during timing: 5 mA max
- Peak surge current: 20 A < 10 ms
- Peak surge voltage: 1400 V, 10 μs
- Terminals: 1/4˝ (6.35mm) quick connect
- Operating temperature: -22°F to +140°F (-30°C to +60°C)
- Weight: 1.9 oz. (55g)

Note: Available with internal potentiometer in AS-P Series

ORDERING INFORMATION: (100 pcs. minimum)

P.S.: Specify maximum time for “D” and “P” version.

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<td>AS = fixed time</td>
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<td>100S TIME RANGE</td>
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<td>AS = Fixed .1 sec - 120 min</td>
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<td>AS-P = .1 sec - 10 sec 1-100 sec maintain 100:1 ratio</td>
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Function A: When input power is applied, timing (t) begins. At the end of the preselected time, the solid state SCR output turns on. The output turns off when the input power is removed, resetting the timer for the next cycle.

WIRING DIAGRAM:

Note: Available with internal potentiometer in AS-P Series
QBS SERIES
SINGLE SHOT TIMER

QCS SERIES
DELAY ON BREAK TIMER

UL listed  CSA recognized

- CMOS Technology
- Epoxy Encapsulated
- 2” x 2” Compact Size
- .250” Quick Connect Terminals

SPECIFICATIONS:

Input

Function B: Single Shot

Function C: Delay on Break

Input

Initiate Switch S2

Relay

Option

Function B

Function C

Input Power S1

Yes

Yes

Input power (S1) is continuously supplied to the timer. When an external initiate switch (S2) is closed, momentarily or maintained, the output relay is energized. At the end of the delay time (T), the output is de-energized. The timer is ready for another cycle. Isolate the initiate switch (S2) from other circuits.

Input power (S1) is continuously supplied to the timer. When an external initiate switch (S2) is closed, the output relay is energized. Timing begins when the S2 switch opens. At the end of the delay time (T), the output is de-energized and the timer is ready for another cycle. Isolate the initiate switch (S2) from other circuits.

ORDERING INFORMATION: (100 pcs. minimum)

Q MOUNTING

CS SERIES

B TIME RANGE

110A INPUT POWER

L UL

Q = Encapsulated

CS = Fixed time

BS = Fixed time

CS-D = Remote potentiometer

BS-D = Remote potentiometer

CS-P = Internal potentiometer

BS-P = Internal potentiometer

CS/BS = Fixed time

CS-D = .06 sec. - 120 min

BS-D = .06 sec. - 120 min. maintain 10:1 ratio

B or CSP = .1 - 10 sec. or min

1 - 100 sec. or min. maintain 100:1 ratio

24A = 24 VAC

48A = 48 VAC

110A = 110 VAC

220A = 220 VAC

1 AMP

NOTE: Available with internal potentiometer in B or CS-P Series.

DIMENSIONS See page 4-34

The initiate switch should be isolated from the other circuits. Contact will operate on the same supply as the timer and will have a max. load of 5 mA.

The remote potentiometer for the QCS-D and QBS-D should be 470 kΩ, 1/4 W. Use with shielded cable at a maximum length of 50 feet.

Products and specifications subject to change without notice.

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QDS SERIES
REPEAT CYCLE

QHS SERIES
INTERVAL ELECTRONIC TIMER

UL listed  CSA recognized

• Consistent Repeat Cycle
• Multiple Voltage
• 2” Square Cases
• Fixed and Variable Time Ranges

SPECIFICATIONS:

Input .................. 24 VAC, 48 VAC, 110 VAC
                        220 VAC, ±15%, 50/60 Hz

Maximum power consumption .
24 VAC: 0.2 VA
48 VAC: 0.3 VA
110 VAC: 0.6 VA
220 VAC: 1.2 VA

Output ................... SCR
Output Rating ................
max.: 1 A at 20°C
min.: 10 mA

Voltage drop after timing .......... 3.5 VAC

Repetition accuracy .............. ±0.5% at a constant ambient

Temp. rise derating .............. 5 mA / °C

Reset time ................. 100 ms after timing
                        150 ms during timing

Minimum contact closure .......... 100 ms after timing
                        150 ms during timing

Leakage current during timing .... 2 mA max.

Peak surge current .............. 20 A < 10 ms

Peak surge voltage .............. 1400 V, 100 µs

Terminals .................. Faston 1/4" (6.35)

Operating temperature .......... -22°F to +140°F  -30°C to +60°C

Weight ...................... 1.9 oz. (55g)

WIRING DIAGRAM:

NOTE: Available with internal potentiometer in HS-P Series.

DIMENSIONS See page 4-34

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