KAL-DIN TIME

Features

- Multi-Resolution Time Ranges:
  - Sec., Min. & Sec, Hrs & Min. or Hrs & 1/100ths
- Battery Powered
- 8 Digit LCD Display
- Remote & Front Panel Reset
- NEMA 4X / IP65 Front Panel

Applications:

For timing industrial processes, machine down time / on time indicator, event timing, monitor testing time.

Description:

The KAL-DTIME1 and KAL-DTIME2 are 8 year, lithium battery powered, elapsed timers with the following resolutions: minutes and seconds (KAL-DTIME1) or, hours and minutes, or hours and 1/100ths (KAL-DTIME2). The front panel meets NEMA 4X/IP65 standards. The display has 8 large digits each 0.276“ high.

Specifications:

Power: Internal Lithium Battery (life 8 years calculated).
Display: 8 digit, LCD, 0.276“ high.
Accuracy: ±.003 % @ 25°C
  Temperature Drift: .035 PPM/°C²
  Aging: 3 PPM/Year max.
Temperature Range: 14 to 140°F (-10 to 60°C)

Signal Inputs:

- Pin 4 — Contact Closure Time; Negative level active
  - Low: <0.7 VDC, High: open or 3 to 18 VDC
- Pin 3 — Reset-Contact closure to common resets, level triggered, min. pulse width 12mS.
- Pin 2 — Reset Enable; link to common (Pin 1) to enable front reset.
- Pin 5 — Timing Mode Select;
  - KAL-DTIME1 - Min. & Sec.
  - KAL-DTIME2 - Hours & 100ths

Description:

- LEFT OPEN
  - KAL-DTIME1 - Seconds
  - KAL-DTIME2 - Hours & Minutes

Approvals: UL File: E135458, CSA File: LR96702, CE Approved

Material: ABS Plastic
Weight: 1.7 oz.
Battery Life: 8 years (calculated)
Connection: 5 pin, plug in connector with 9" leads supplied with timer.
Sealing: Front Panel sealed to NEMA 4X/IP65
Mounting: Spring clip mount provided. Optional two screw mounting and/or competitor retro-fit available.

Note: A 5-240 VAC or DC pulsing module is available as “KAL-DTIME AC/DC.”
TERMINAL BLOCK MODULE

Description -- KAL-D TB
(For screw terminal connection with standard pulse characteristics)
Pin numbers shown on terminal block correspond to wire lead numbers.
Two Pins #1 are internally connected.

DO NOT CONNECT KAL-D TB TO AC VOLTAGE

5-240 VOLT INPUT MODULES

Description -- KAL-D AC/DC (Counter)
KAL-DTIME AC/DC (Timer)
The KALD AC/DC Module enables the KALD to accept 5-
240 VAC/DC input signals. (The KAL-DTime AC/DC is
used for the KAL-DTIME series). The module snaps into
the back of the counter. The circuitry allows various volt-
age pulses to be used for counting and provides opto-
isoilation of 2500V.

KAL-D AC/DC (Counter)
SPECIFICATIONS:

Signal Inputs:
18 Hz max. (15 msec. pulse width min.)
5 to 48 VAC/DC
Low: < 1.5 VAC/DC or open
High: 5 to 55 VAC/DC
48 to 240 VAC/DC
Low: <15 VAC/DC or open
High: 48 to 264 VAC/DC

Input Impedance:
5 to 48 VAC/DC - 10K ohms
48 to 240 VAC/DC - 58.5K ohms

Reset:
Dry contact closure only.
15msec. min. pulse.

Temperature Range:
Same as KAL-D series

Terminal Block (TB) Adaptor Connections

Dimensions for AC/DC Adaptor and Terminal Block

AC/DC Adaptor Connections

NOTE: Jumper terminal 5 to terminal 6 to raise the low
threshold to 25V for triac inputs or when low voltage
does not reach 0V. Connect input to terminals 4 &
6.
It may be necessary to place a 10 kΩ 7W resistor
across terminals 4 & 6 to bring voltage below 25V.

How To Order:

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<th>Description</th>
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<td>Sec., or Min. &amp; Sec. Timer</td>
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<tr>
<td>KAL-DTIME2</td>
<td>Hours &amp; 100ths or Hrs. &amp; Min. Timer</td>
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<tr>
<td>KAL-DTIMEAC/DC</td>
<td>5-240V AC/DC input module</td>
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<tr>
<td>KAL-DTB</td>
<td>Terminal block adaptor</td>
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