

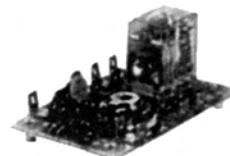
K1 SERIES DELAY ON MAKE

Solid state, on-delay timers in a variety of case and mounting styles. Low cost units are usable over a wide operating temperature range, have high accuracy over a wide input voltage range, and do not false operate. **Time Delay Adjustment:** Knob or external resistor; others available on special order. **Repeatability:** $\pm 2\%$. **Reset time:** 80 msec. typical. 150 msec. max. **Operating Temperature Range:** -10°F to $+130^{\circ}\text{F}$. **External Resistance for Max. Time:** 300K ohms for up to 2 sec.; 690K ohms for 5 sec.; 1.35 megohms for 10 sec.; 2.5 megohms for 30-300 sec. Units have internal transient protection, and DC models have reverse polarity protection. Available in both flange mount (type numbers ending in 7xx) and plug-in style (type numbers ending in 5xx or 6xx).



Series A1

Series K1



Series Z1

A1 SERIES DELAY ON MAKE

Repeatability: $\pm 5\%$. **Delay Adjustment:** Knob, lock bushing. **Reset Time:** 50 msec. **Power Consumption:** 3 watts.

Mfr. No.	Time Delay, Seconds	Adj. Means	Input Volts
A1K-00001-461	.05-1	Knob	120 AC
A1K-00002-461	.05-2	Knob	120 AC
A1K-00005-461	.05-5	Knob	120 AC
A1K-00010-461	.1-10	Knob	120 AC
A1K-00030-461	.3-30	Knob	120 AC
A1K-00060-461	.6-60	Knob	120 AC
A1K-00120-461	1.2-120	Knob	120 AC
A1K-00180-461	1.8-180	Knob	120 AC
A1K-00300-461	3-300	Knob	120 AC
A1K-00600-461	6-600	Knob	120 AC
A1K-01800-461	18-1800	Knob	120 AC
A1K-03600-461	36-3600	Knob	120 AC
A1K-07200-461	72-7200	Knob	120 AC
A1K-18000-461	5 hrs.	Knob	120 AC
A1K-36000-461	10 hrs.	Knob	120 AC

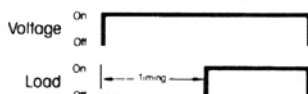
Mfr. No.	Time Delay, Seconds	Adj. Means	Input Volts	UL File Number	CSA File Number
RELAY OUTPUT					
K1K-00002-661	.1-2	Knob	120 AC	E59090	LR33434
K1K-00005-661	.1-5	Knob	120 AC	E59090	LR33434
K1K-00010-661	.1-10	Knob	120 AC	E59090	LR33434
K1K-00030-661	.3-30	Knob	120 AC	E59090	LR33434
K1K-00060-661	.6-60	Knob	120 AC	E59090	LR33434
K1K-00120-661	1.2-120	Knob	120 AC	E59090	LR33434
K1K-00180-661	1.8-180	Knob	120 AC	E59090	LR33434
K1K-00300-661	3-300	Knob	120 AC	E59090	LR33434
K1K-00002-667	.1-2	Knob	24 AC	E59090	LR33434
K1K-00005-667	.1-5	Knob	24 AC	E59090	LR33434
K1K-00010-667	.1-10	Knob	24 AC	E59090	LR33434
K1K-00030-667	.3-30	Knob	24 AC	E59090	LR33434
K1K-00060-667	.6-60	Knob	24 AC	E59090	LR33434
K1K-00120-667	1.2-120	Knob	24 AC	E59090	LR33434
K1K-00180-667	1.8-180	Knob	24 AC	E59090	LR33434
K1K-00300-667	3-300	Knob	24 AC	E59090	LR33434
K1K-00005-662	.1-5	Knob	24 DC	E59090	LR33434
K1K-00010-662	.1-10	Knob	24 DC	E59090	LR33434
K1K-00030-662	.3-30	Knob	24 DC	E59090	LR33434
K1K-00060-662	.6-60	Knob	24 DC	E59090	LR33434
K1K-00120-662	1.2-120	Knob	24 DC	E59090	LR33434
K1K-00180-662	1.8-180	Knob	24 DC	E59090	LR33434
K1K-00005-666	.1-5	Knob	12 DC	E59090	LR33434
K1K-00010-666	.1-10	Knob	12 DC	E59090	LR33434
K1K-00030-666	.3-30	Knob	12 DC	E59090	LR33434
K1K-00060-666	.6-60	Knob	12 DC	E59090	LR33434
K1K-00120-666	1.2-120	Knob	12 DC	E59090	LR33434
K1K-00180-666	1.8-180	Knob	12 DC	E59090	LR33434
K1K-00300-666	3-300	Knob	12 DC	E59090	LR33434
K1F-00002-761	.1-2	Ext.	120 AC	E59090	LR33434
K1F-00005-761	.1-5	Ext.	120 AC	E59090	LR33434
K1F-00010-761	.1-10	Ext.	120 AC	E59090	LR33434
K1F-00030-761	.3-30	Ext.	120 AC	E59090	LR33434
K1F-00060-761	.6-60	Ext.	120 AC	E59090	LR33434
K1F-00120-761	1.2-120	Ext.	120 AC	E59090	LR33434
K1F-00002-561	.1-2	Ext.	120 AC	E59090	LR33434
K1F-00005-561	.1-5	Ext.	120 AC	E59090	LR33434
K1F-00010-561	.1-10	Ext.	120 AC	E59090	LR33434
K1F-00030-561	.3-30	Ext.	120 AC	E59090	LR33434
K1F-00060-561	.6-60	Ext.	120 AC	E59090	LR33434
K1F-00120-561	1.2-120	Ext.	120 AC	E59090	LR33434
K1F-00180-561	1.8-180	Ext.	120 AC	E59090	LR33434
K1F-00030-561	5 min.	Ext.	120 AC	E59090	LR33434
K1F-00010-567	.1-10	Ext.	24 AC	E59090	LR33434
K1F-00300-567	3-300	Ext.	24 AC	E59090	LR33434
K1F-00010-562	.1-10	Ext.	24 AC	E59090	LR33434
K1F-00030-562	.3-30	Ext.	24 AC	E59090	LR33434
K1F-00120-562	1.2-120	Ext.	24 AC	E59090	LR33434
K1F-00010-566	.1-10	Ext.	12 DC	E59090	LR33434
K1F-00030-566	.3-30	Ext.	12 DC	E59090	LR33434
K1F-00120-566	1.2-1200	Ext.	12 DC	E59090	LR33434

Z1 SERIES DELAY ON MAKE

Printed circuit board construction. **Power Consumption:** 3 watts. **Time Delay Adjustment:** Trim pot. **Reset Time:** 50 msec. **Repeatability:** $\pm 1\%$.

Mfr. No.	Time Delay, Seconds	Adj. Means	Input Volts	UL File Number	CSA File Number
Z1T-00010-061	.1-10	Pot.	120 AC	E59090	LR33434
Z1T-00060-061	.6-60	Pot.	120 AC	E59090	LR33434
Z1T-00180-061	1.8-180	Pot.	120 AC	E59090	LR33434
Z1T-00010-062	.1-10	Pot.	24 DC	E59090	LR33434
Z1T-00060-062	.6-60	Pot.	24 DC	E59090	LR33434
Z1T-00180-062	1.8-180	Pot.	24 DC	E59090	LR33434
Z1T-00010-067	.1-10	Pot.	24 AC	E59090	LR33434
Z1T-00060-067	.6-60	Pot.	24 AC	E59090	LR33434
Z1T-00180-067	1.8-180	Pot.	24 AC	E59090	LR33434

DELAY ON MAKE



Upon application of power to the input terminals, the time delay cycle starts. At the end of the preset time delay, the output contacts transfer, either connecting or disconnecting the load. Reset is accomplished by removal of the input power.

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TIMERS & FLASHERS