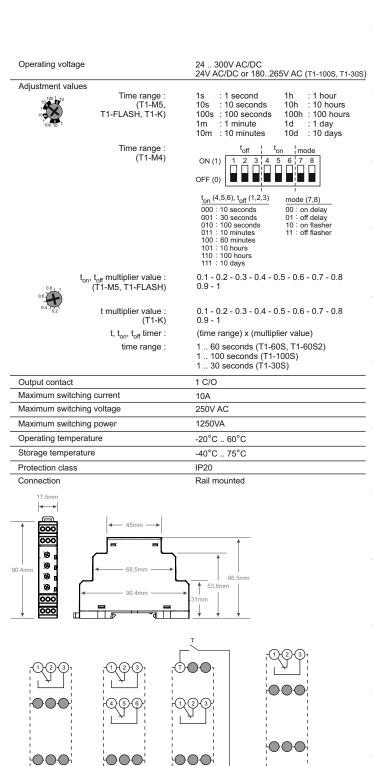
## Klemsan® Timers



	type	control input	mode	time range	order no
-	T1-60S		ND	1 60sec	270 350
	T1-FLASH		Foff	0.1sec 10days	270 351
	T1-60S2		ND	1 60sec	270 352
	T1-M5		ND,FD,NFD,Fon,Foff	0.1sec 10days	270 353
	T1-K	<b>✓</b>	a,b,c,d,e,f,g,h,i,k	0.1sec 10days	270 354
	T1-M4		ND,FD,Fon,Foff	1sec 10days	270 355
_	T1-100S		ND	1 100sec	270 359
	T1-30S		ND	1 30sec	270 363

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24..300V ac/dc

T1-K

24V ac/dc

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T1-100S, T1-30S

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24..300V ac/dc

T1-60S2

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24..300V ac/dc

T1-M5, T1-FLASH, T1-M4, T1-60S

OPERATION MODE	FUNCTION ILLUSTRATION	FUNCTION STATEMENT	
on delay (mode: a, ND)	On/t:	The output relay is initially de-energized and energized after an adjustable time delay, t <sub>ur</sub> .	
off delay (mode: b, FD)	On/t:	The output relay is initially energized and de-energized after an adjustable time delay, t,	
on-off delay (mode: NFD)	On/t:	The output relays is initially de-energized and energized after an adjustable time delay, $t_{\rm un}$ , and stays energized for an adjustable period, $t_{\rm un}$ , and then de-energized.	
on flasher (mode: Fon)	On/t:	The output relays is initially energized and de- energized after an adjustable time delay, t <sub>sm</sub> , and stays de-energized for an adjustable period, t <sub>sm</sub> and then energized. This loop is repeated until the device is powered off. "On/t" led flashes at Fon and Foff mode for "T1-M4" product.	
off flasher (mode: g, Foff)	On/t:	The output relay is initially de-energized and energized after an adjustable time delay, t <sub>m</sub> , and stays energized for an adjustable period, t <sub>m</sub> , and then de-energized. This loop is repeated until the device is powered off. "On/t" led flashes at Fon and Foff mode for "T1-M4" product.	
on delay with control input (mode: c)	On/t:	The output relay is initially de-energized. A contact closure on T contact triggers an adjustable time delay, t, which energizes the output relay when expired. The output relay stays energized as long as the T contact is active. Delay time, t, is cleared when the contact on T contact opens.	
off delay with control input (mode: d)	On/t:	The output relay is initially de-energized and energized when a contact closure on T contact is detected. A contact release on T contact triggers an adjustable time delay, t, which de-energizes the output relay when expired. Reclosure of the contact on T contact before the time delay is expired restat time delay, t, and keeps the output relay energized.	
rising edge triggered off delay (mode: e)	On/t:	The output relay is initially de-energized. A contact closure on T contact both energizes the output relay and triggers an adjustable time delay, t, which de-energizes the output relay when expired. During the time delay, T contact is insensitive to state changes and becomes sensitive when time delay, t, expired.	
falling edge triggered off delay (mode: f)	On/t:	The output relay is initially de-energized. A state change of the contact on T contact from closed to open both energizes the output relay and triggers an adjustable time delay, t, which de-energizes the output relay when expired. During the time delay, T contact is insensitive to state changes and becomes sensitive when time delay, t, expired.	
on and off delay with control input (mode: h)	On/t:	The output relay is initially de-energized. A contact closure on T contact triggers an adjustable time delay, t, which energizes the output relay when expired. Similarly contact release of T contact triggers the time delay, t, which de-energizes the output relay when expired. Delay time, t, is cleared when the contact state of T contact changes.	
adjustable pulse output with control input (mode: i)	On/t:	The output relay is initially de-energized. A state change on T contact both energizes the output relay and triggers an adjustable time delay, t, which de-energizes the output relay when expired. During the time delay, T contact is insensitive to state changes and becomes sensitive when time delay, t, expired.	
on delay with memory (mode: k)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	The output relay is initially de-energized. If T contact is open, adjustable time delay, t, counts down and output relay energizes when t is expired. Any contact closure on T contact pauses the count down process, and the process continues when the contact release on T contact occurs. A contact release is needed to restart the cycle, after the output relay is energized.	

**Warning:** If adjustments are accomplished after Timer is turned on, operator should power down the device, wait at least 0.3 seconds and power up the device.