

- » Sleek design with NEW 18 mm width in accordance with DIN norm
- » Conforms to IEC 61812-1+ UL 508
- » Wide input power supply range (12-240 V AC/DC)
- » 1 SPDT relay output (10A)
- » Wide and easily adjustable time range
- » LED notifications
- » High sensitivity and switching capacity
- » High mechanical endurance
- » Multifunctional
- » Function control with trigger input

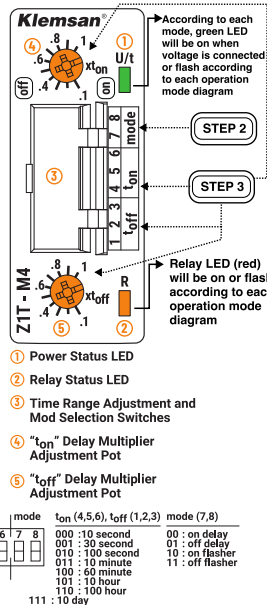
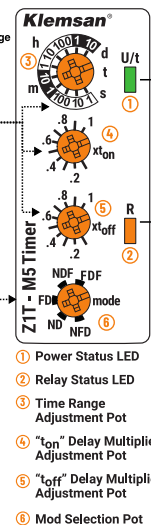
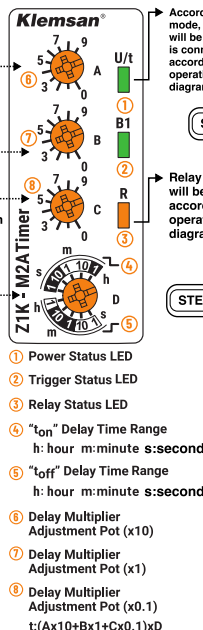
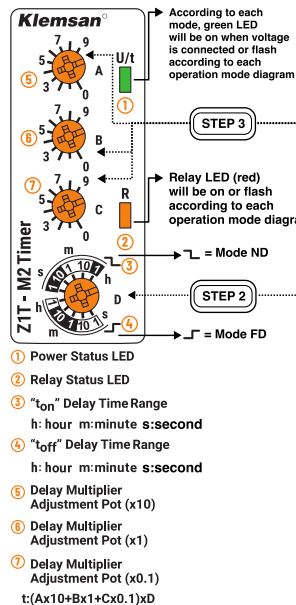
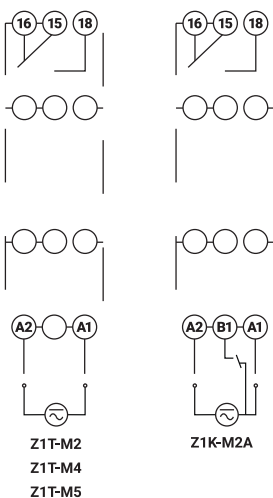
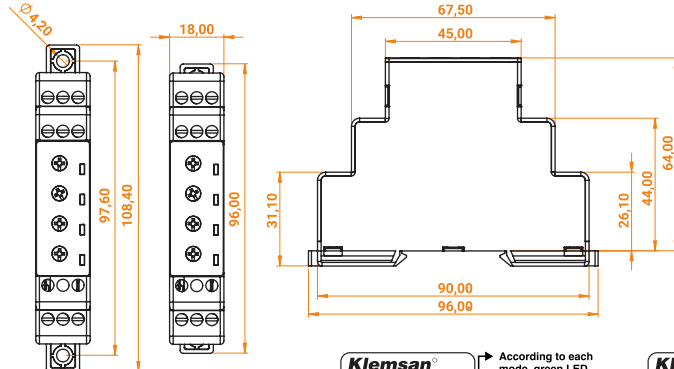
STEP 1

Model Name	Order No	Mode	Time Range
Z1T-M2	261015	ND, FD	0.1 sec .. 99.9 hours
Z1K-M2A	261016	yND, yFD	0.1 sec .. 99.9 hours
Z1T-M4	261017	ND, FD, NDF, FDF	1 sec .. 10 days
Z1T-M5	261018	ND, FD, NFD, NDF, FDF	0.1 sec .. 10 days




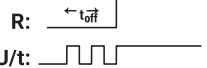












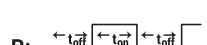
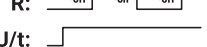
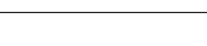
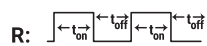


Operating Voltage	12..240V AC/DC ±10%
Operating Frequency	45..65Hz
Power Consumption	DC
	< 1.5 W
	AC
	< 5 VA
Relay Outputs	Number and Type of Contacts
	1 C/O
	Maximum Switching (Voltage/Current/Power)
	250VAC / 5 A / 1250 VA 115 VAC / 10 A / 1250 VA
Cable Cross Section	2.5mm² / AWG 14-30 solid or stranded
Screw Tightening Torque	0.5 Nm / 4.5 lb-inch
Cable Stripping Size (Min / Max)	8mm / 9mm
Operating Temperature Range	-20 / +60 °C
Max Surrounding Air Temperature	60°C
Protection Degree (IEC 60529)	IP 20
Pollution Degree	2

NOTE: Use 60/75°C copper (CU) wire only.



OFF (0)	1	2	3	4	5	6	7	8
toff	ton	mode	ton (4,5,6)	toff (1,2,3)	mode (7,8)	000 : 10 second	001 : 30 second	010 : 100 second
ON (1)	1	2	3	4	5	6	7	8
	10 : on delay	01 : off delay	10 : on flasher	11 : off flasher	100 : 60 minute	101 : 10 hour	110 : 100 hour	111 : 10 day

STEP 1

OPERATION MODE	FUNCTION ILLUSTRATION	FUNCTION STATEMENT
Mode: ND On Delay ()	R:  U/t: 	The output relay is initially de-energized and energized after an adjustable time delay, toff.
Mode: FD Off Delay ()	R:  U/t: 	The output relay is initially energized and de-energized after an adjustable time delay, ton.
Mode: NFD ON-OFF Delay	R:  U/t: 	The output relays is initially de-energized and energized after an adjustable time delay, toff, and stays energized for an adjustable period, ton, and then de-energized.
Mode: yND On Delay with Trigger	T:  R:  U/t:  B1: 	The output relay is initially de-energized and energized after an adjustable time delay, toff. The function can be restarted without power off with the trigger signal.
Mode: yFD Off Delay with Trigger	T:  R:  U/t:  B1: 	The output relay is initially energized and de-energized after an adjustable time delay, ton. The function can be restarted without power off with the trigger signal.
Mode: FDF OFF Flash	R:  U/t: 	The output relay is initially de-energized and energized after an adjustable time delay, toff, and stays energized for an adjustable period, ton, and then de-energized. This loop is repeated until the device is powered off.
Mode: NDF ON Flash	R:  U/t: 	The output relay is initially energized and de-energized after an adjustable time delay, ton, and stays de-energized for an adjustable period, toff, and then energized. This loop is repeated until the device is powered off.

SETTING THE TIMER RELAY

Z1T-M2 Z1K-M2A Z1T-M5

STEP 1 Check the device model name and understand which operating modes your device supports.

STEP 2 Z1T-M2 Z1K-M2A: Set ton (L) or toff (J) first according to operation mode

Z1T-M5 : Select the desired operation mode by the pots N.4, No.5

STEP 3 Z1T-M2 Z1K-M2A : Set time range from the pots A, B, C

Z1T-M5 : Set time range from the pots No.3, No.4, No.5

Z1T-M2 Z1K-M2A : Example → For ton = 95.7 minutes → A=9 / B=5 / C=7 D=ton

t: (Ax10+Bx1+Cx0.1)x D

Z1T-M5 : Example → For ton = 10 minutes → t=10 m / Xt on =1

SETTING THE TIMER RELAY

Z1T-M4

STEP 1 Check the device model name and understand which operating modes your device supports.

STEP 2 Select the desired operation mode by the pot N.3

STEP 3 Set time range from the pots No.3, No.4, No.5

Example → For ton = 90 minutes → Mode (7,8)=00, Mode(4,5,6)=010, Xt on = .9