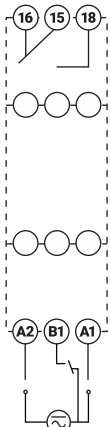
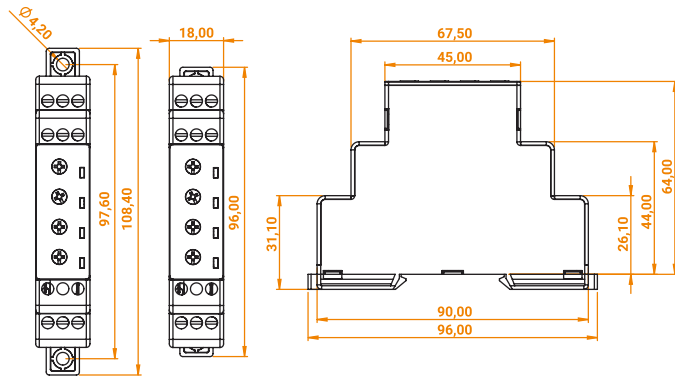


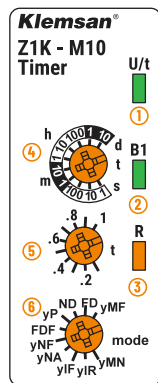
- » Sleek design with NEW 18 mm width in accordance with DIN norm
- » Conforms to IEC 61812-1
- » Wide power supply range (12-240 V AC/DC)
- » 1 SPDT relay output (10A)
- » Wide and easily adjustable time range
- » LED notifications
- » High sensitivity and switching capacity
- » High mechanical endurance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

Type	Order No	Mode	Time Range
Z1K-M10	261019	ND, FD, FDF, yMN, yMF, yIR, yNF, yP, yIF, yNA	0.1 sec .. 10 days
Z1K-M10A	261024	ND, FD, FDF, yMN, yMF, yIR, yNF, yP, yIF, yN	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 / 10A / 1250 VA
Cable Cross Section	2.5mm ² / 14 AWG
Screw Tightening Torque	0.5 Nm
Cable Stripping Size (Min / Max)	8mm / 9mm
Operating Temperature Range	-20 / +60 °C
Protection Degree (IEC 60529)	IP 20



Z1K-M10



- ① Power Status LED
- ② Trigger Status LED
- ③ Relay Status LED
- ④ Time Range Adjustment Pot
- ⑤ Multiplier Adjustment Pot
- ⑥ Mod Selection Pot

OPERATION MODE	FUNCTION ILLUSTRATION	FUNCTION STATEMENT
On Delay (mod: ND)		The output relay is initially de-energized and energized after an adjustable time delay, t_{off} .
Off Delay (mod: FD)		The output relay is initially energized and de-energized after an adjustable time delay, t_{on} .
OFF Flash (mod: FDF)		The output relay is initially de-energized and energized after an adjustable time delay, t_{off} , and stays energized for an adjustable period, t_{on} , and then de-energized. This loop is repeated until the device is powered off.
ON and OFF Delay with Control Signal (mod: yNF)		The output relay is initially de-energized. A contact closure on B1 contact triggers an adjustable time delay, t , which energizes the output relay when expired. Similarly contact release of B1 contact triggers the time delay, t , which de-energizes the output relay when expired. Delay time, t , is cleared when the contact state of B1 contact changes.
Pulse delayed relay with control signal (mode: yN)		The output relay is initially de-energized. The state change of the contact on T contact from open to closed, adjustable time delay, t , counts down and output relay is energized when t is expired. The relay remains energized for 1 sec and de-energized at the end of the time.
Pulse Output with Control Signal (mod: yP)		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.
Additive ON Delay (mod: yNA)		The output relay is initially de-energized. If B1 contact is open, adjustable time delay, t , counts down and output relay energizes when t is expired. Any contact closure on B1 contact pauses the count down process, and the process continues when the contact release on B1 contact occurs. A contact release is needed to restart the cycle, after the output relay is energized.
ON Delay with Maintained Control Signal (mod: yMN)		The output relay is initially de-energized. A contact closure on B1 contact triggers an adjustable time delay, t , which energizes the output relay when expired. The output relay stays energized as long as the B1 contact is active. Delay time, t , is cleared when the contact on B1 contact opens.
OFF Delay with Maintained Control Signal (mod: yMF)		The output relay is initially de-energized and energized when a contact closure on B1 contact is detected. A contact release on B1 contact triggers an adjustable time delay, t , which de-energizes the output relay when expired. Reclosure of the contact on B1 contact before the time delay is expired restarts time delay, t , and keeps the output relay energized.
Interval with Control Signal On (mod: yIR)		The output relay is initially de-energized. A contact closure on B1 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, B1 contact is insensitive to state changes and becomes sensitive when time delay, t , expired.
Interval with Control Signal Off (mod: yIF)		The output relay is initially de-energized. A state change of the contact on B1 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, B1 contact is insensitive to state changes and becomes sensitive when time delay, t , expired.