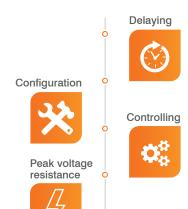


Defining a timer in simple terms

A timer is an automation device that either keeps track of how much time has been spent doing something or that counts down a specified duration of time. After a predefined time has elapsed, the timer closes or opens its contact.

Which actions are executed?



A timer can be used to start an action according to a predefined time or stop an action over a period of time. It can also add delay an action. It allows to control applications with its trigger input as well.

Which market are they used frequently?

- Industrial Machines
- Illuminating
- Construction industry
- HVAC systems
- Food and agriculture industry

Benefits and Advantages

- High accuracy and switching reliability
- Sensitive timing range from 0.1sec to 10days
- High mechanical endurance
- Multifunctional operating modes
- Trigger input
- High level of Electromagnetic compatibility
 (EMC) i.e. maximum immunity to interferences.
- A different range of power supply from (12V AC/ DC or 180..265V AC)
- Sleek 17.5mm wide housing and compact design saves panel space.
- Perfect to f it in Modular Enclosure
- Protection against over voltage and reverse polarity
- Self-Extinguishing plastic housing

Conveyor Control



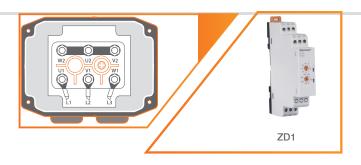
Managing the operation of a conveyor belt based on the time interval between products on the belt.

Smart Lighting



Controlling flashing on lighted signs.

Star-Delta Starter



Succesfull run-up for industrial motors with stardelta relay.

Packing Machine / System



Controlling heat sealing times on blister packs, packaging bags, etc.

Direction Control of Industrial Motor



Controls the direction of the motor's rotation...

Vending Machines



Automatic management of vending machines.

Remote Machinery Control



Managing maintenance of the power supply in the event of a mains power failure, switching on an external backup power source for a given time

			Z1-60S	Z1-FLASH	Z1-M5	Z1-K
			OCC PARTY I			American Cooperation of the Coop
Definition			On Delay Timer	Off Delay Timer	On Delay Timer	Multimode timer with trigger input
Timing Function			Single - Functional	Single - Functional	Multifunctional	Multifunctional
Order Number			270 370	270 371	270 373	270 374
	Connection	ons	Screw terminal	Screw terminal	Screw terminal	Screw terminal
	Casing width	ı (mm)	17.5	17.5	17.5	17.5
Functions			ND	Foff	ND, FD, NFD, Fon, Foff	a, b, c, d, e, f, g, h, i, k
	Туре		1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)
Aux. Contact		Max. Ratings	10A,250V AC 1250VA	10A,250V AC 1250VA	10A,250V AC 1250VA	10A,250V AC 1250VA
Adjustment	of Timing1&	Timing-1	1s=>60s	0.1s=>10d	0.1s=>10d	1s=>10d
Timing2		Timing-2	-	0.1s=>10d	0.1s=>10d	-
Supply	Voltage	AC DC	12V or 180265V 12V	12V or 180265V 12V	12V or 180265V 12V	12V or 180265V 12V
	Fr	requency	5060Hz	5060Hz	5060Hz	5060Hz
Power Consumption AC		AC DC	<1.25W <2.5VA	<1.25W <2.5VA	<1.25W <2.5VA	<1.25W <2.5VA
Trigger Input	Trigger Input Voltage			-	-	180265V AC
	Recovery Time			Max. 100 ms	Max. 100 ms	Max. 100 ms
Temperature coefficient			Max. 100 ms 150 ppm/°C	150 ppm/°C	150 ppm/°C	150 ppm/°C
Permissible ambient		-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	
		During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no	Max.95% (no	Max.95% (no	Max.95%
Degree of protection			condensation) IP20	condensation) IP20	condensation) IP20	(no condensation) IP20

			Z1-M4	Z1-LR	Z1-XS	ZD1
			O O O O O O O O O O O O O O O O O O O	000		
Definition		Multimode Timer	Left Right Timer	On Delay Timer	Star-Delta Timer	
Timing Function			Multifunctional	Single-Functional	Single-Functional	Single-Functional
Order Number			270 375	270 376	270 377	270 378
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal
	Casing width	(mm)	17;5	17;5	17;5	17;5
	Function	S	ND,FD,Fon,Foff	LR	XS	SD
	Туре		1 C/O (SPDT)	2 C/O	1 C/O (SPDT)	2 C/O
Aux. Contact	t	Max. Ratings	10A,250V AC 1250VA	10A,250V AC 1250VA	10A,250V AC 1250VA	10A,250V AC 1250VA
Adjustment of	of Timing1&	Timing-1	1s=>10d	0.1s=>10d	0s=>2559s	1s=>30s
Timing2		Timing-2	1s=>10d	0.1s=>10d	-	20ms=>500ms
	Voltage	AC	12V or 180265V	12V or 180265V	12V or 180265V	12V or 180265V
Supply		DC	12V	12V	12V	12V
	Frequency		5060Hz	5060Hz	5060Hz	5060Hz
Dayyar Cana		AC	<1.25W	<1.25W	<1.25W	<1.25W
Power Consumption		DC	<2.5VA	<2.5VA	<2.5VA	<2.5VA
Trigger Input Voltage			-	-	-	180265V AC
Recovery Time			Max. 100 ms	Max. 100 ms	Max. 100 ms	Max. 100 ms
Temperature coefficient			150 ppm/°C	150 ppm/°C	150 ppm/°C	150 ppm/°C
Permissible ambient Du		During operation	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
temperature		During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP20	IP20	IP20	IP20