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Electromechanical Cam Timers

Models Available

5002 2 Cam Electromechanical Timer
5004 4 Cam Electromechanical Timer
5006 6 Cam Electromechanical Timer

Product Features

- Modular assembly cam timers
- 2, 4 or 6 output versions
- Cycle times from 3 seconds to 24 hours
- One on/off period per cycle
- 24Vac, 115Vac or 230Vac versions
- Screw adjustable cams (tool supplied)

The Tempatron electromechanical cam timers are available in modular kits for assembly or can be supplied fully assembled.

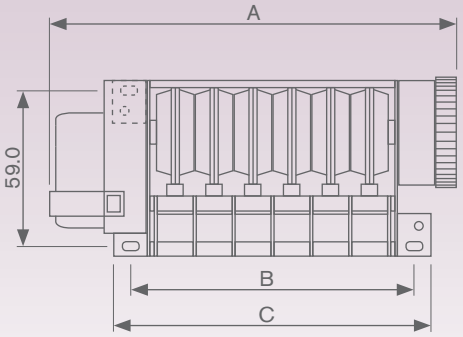
The timers are available in 2 cam, 4 cam and 6 cam versions and with cycle times (one revolution) from 3 seconds to 24 hours.

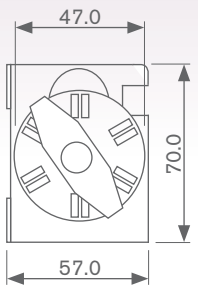
A complete timer gives one on/off switching period per cam, per cycle, and requires an assembly frame, gear kit, gearbox housing and clip, drive motor and either 2, 4 or 6 standard V3 microswitches.

Synchronous drive motors are available in 24Vac, 115Vac or 230Vac versions and the gear kits are colour coded for ease of assembly.

For timing control of machinery, systems and operational processes

Dimensions





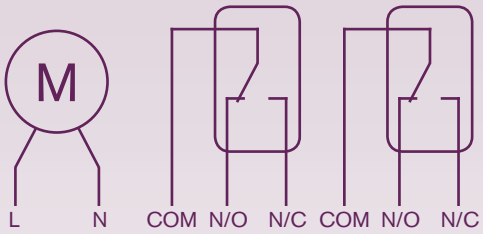
	A (mm)	B (mm)	C (mm)
5002	95	54	67
5004	119	78	91
5006	144	103	116

Fully assembled 6 cam model shown

All dimensions in mm

Connections

2 CAM UNIT



DRIVE MOTOR



GEAR KIT



GEARBOX HOUSING



Ordering information for Modular Kits

Model	Code	Description
	5002	2 Cam Assembly Frame
	5004	4 Cam Assembly Frame
	5006	6 Cam Assembly Frame

Time Range	Code	Description
	AM40	Seconds Gear Kit
	AM41	Minutes Gear Kit
	AM42	Hours Gear Kit

Gearbox Housing	Code	Description
	AM59	Gearbox Housing & Clip

Drive Motor	Code	Description
	AM23	115V Drive Motor
	AM24	230V Drive Motor
	AM25	24V Drive Motor

Microswitch	Code	Description
	AM02	15A V3 Type Microswitch

Example	**5004 c/w AM40 c/w AM59 c/w AM24 c/w 4 x AM02**

Ordering information for Complete Cam Timers

Model	Code	Description
	5002	2 Cam Assembly Frame
	5004	4 Cam Assembly Frame
	5006	6 Cam Assembly Frame

Rotation	Code	Description
	V1	Clockwise Rotation

Cycle Time	Code	Description
	3S	3 seconds
	6S	6 seconds
	12S	12 seconds
	30S	30 seconds
	1M	1 minute
	3M	3 minutes
	6M	6 minutes
	12M	12 minutes
	30M	30 minutes
	1H	1 hour
	6H	6 hours
	12H	12 hours
	24H	24 hours

Power Supply	Code	Description
	115V	115V 50Hz
	230V	230V 50Hz

Example	**5006-V1-1H-230V**

Specification

Power Supply Voltage:
- 24Vac, 115Vac or 230Vac (±15%)

Burden:
- 4VA

Frequency:
- 50Hz (500rpm) or 60Hz (600rpm)

Drive Motor:
- 500rpm (50Hz) or 600rpm (60Hz)
- 220mm lead length

Standard Cycle Times:
- Seconds kit - 3, 6, 12, 30 seconds
- Minutes kit - 1, 2, 3, 6, 12, 30 minutes
- Hours kit - 1, 2, 3, 6, 12, 24 hours

Minimum Setting:
- 1/60 of cycle time

Microswitch Contact Rating:
- 15A at 250Vac (resistive)

Electrical Contact Life:
- 500,000 operations

Mechanical Life:
- 10 million operations
- 8 years continuous operation

Isolation:
- 2000Vac

Gearbox Housing:
- Glass filled nylon

Cam Diameter:
- 42mm

Operating Temperature:
- -10°C to 55°C
- 45°C typical operating temperature

Weight:
- 5002 350g
- 5004 400g
- 5006 450g

Markings:
- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

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