

# Operation Manual

## Instruction Notes for 3622591 & 3622592

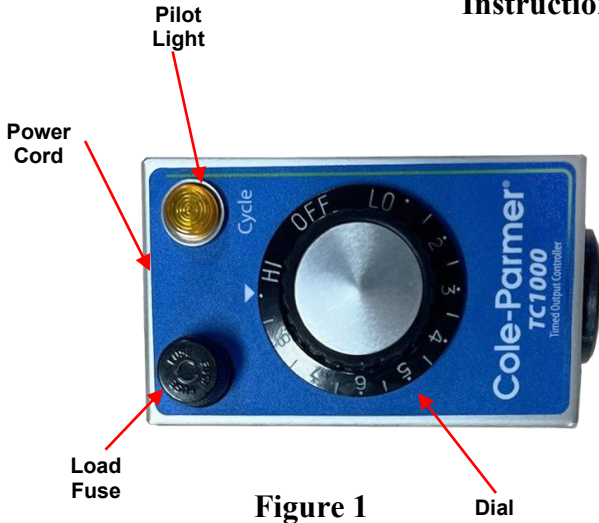


Figure 1



Figure 2

### General Description

This timed control turns the output load on and off and then repeats the cycle. Each position on the knob from LO to HI represents a specific cycle time where the on time ranges from 6 to 100 percent. For example the LO setting represents a total cycle of approximately 60 seconds with an on time of 4 seconds. This type of control can be used to regulate the temperature of resistive loads. The pilot light on the front will glow when the load is on. The unit comes with a 6' attached power cord.

These controls effectively regulate heating mantles, tapes and cords. Also, they may be used for small furnaces or ovens, hot plates, dies or other applications requiring infinite control.

3622591

### Control Features

1. On/Off dial.
2. 12-amp output (120V), 10-amp output (240V),
3. Circuit protection (fuse)
4. Low profile housing.

### How to Setup and Operate

1. Turn control knob to OFF position.
2. Plug load (12 amps or less) into the 3-wire outlet of the control.
3. Insert plug of the control cord into 3-wire wall or bench receptacle.
4. Adjust knob to desired setting. The pilot light is connected across the output side of the control and indicates power to load.

Manual power controls require experimentation to achieve the desired control setting for a particular application.

Position	Time On	Time Off	Total Cycle Time (Seconds)	% Time ON
LO	4.00	50.00	54.00	7.41%
1	4.00	50.00	54.00	7.41%
2	4.20	31.00	35.20	11.93%
3	4.60	20.10	24.70	18.62%
4	5.20	14.60	19.80	26.26%
5	6.00	11.90	17.90	33.52%
6	6.40	10.40	16.80	38.10%
7	7.50	9.00	16.50	45.45%
8	9.80	7.50	17.30	56.65%
9	Does not Go off	Does not Go off	Does not Go off	100
HI	Does not Go off	Does not Go off	Does not Go off	100

## Specifications

### Operator Interface

- Dial knob (LO to HI) & On/Off
- 3-wire load receptacle

### Output

- 12 amp (1440 watts resistive), 120V, Circuit protected (3622591)
- 10 amp (2400 watts resistive), 240V, Circuit protected (3622592)
- Output range: from 5-1/2 to 100% of time

### Input Voltage

- 120V, 50/60 Hz
- 240V, 50/60 Hz.

### Operating Environment

0 to 149 °F / -18 to 65 °C; 0 to 90% RH, non-condensing

3622592				Total Cycle Time (Seconds)	% Time ON
	Position	Time On	Time Off		
	LO	4.00	53.00	57.00	7.02%
	1	4.00	48.00	52.00	7.69%
	2	4.10	23.00	27.10	15.13%
	3	5.20	13.00	18.20	28.57%
	4	5.50	11.00	16.50	33.33%
	5	7.00	9.00	16.00	43.75%
	6	9.00	6.50	15.50	58.06%
	7	13.00	5.50	18.50	70.27%
	8	17.00	5.00	22.00	77.27%
	9	Does not Go off	Does not Go off	Does not Go off	100
	HI	Does not Go off	Does not Go off	Does not Go off	100

## Maintenance

Simple preventative maintenance steps include keeping the controller clean. Protect it from overload, excessive dirt, oil and corrosion.

## Warranty

Digi-Sense, for itself does hereby offer a warranty for products from the date of receipt by the user, under normal and proper usage, against defects in workmanship and materials for 12 months, and will repair or replace any defective part(s) without charge when same is shipped Prepaid to Cole-Parmer from which the product was originally purchased.

Should the nature of any defect require that the product, or any constituent portion thereof, be returned to Cole-Parmer, Vernon Hill, Illinois, prepaid for service, a condition precedent to any return shall be the procurement of authorization from Digi-Sense assigning a **Return Goods Number** to the product or part requiring service.

Parts and accessories manufactured by others are warranted only to the extent of the regular warranty of the manufacturer or supplier of such materials and only insofar as Cole-Parmer is able to transfer the benefits of warranty coverage, if any, to the user. Any adequately warranted defective part or accessory manufactured or supplied by others may be exchanged through Cole-Parmer for a replacement part is shipped prepaid and received at Cole-Parmer within 30 days from the date any replacement part is obtained by the user.

This warranty supersedes and is given in lieu of all implied warranties, and is void if the user causes damages from improper usage of product under normal operating conditions.

12 MONTHS LIMITED WARRANTY ON ALL PARTS AND LABOR IS GIVEN BY COLE-PARMER.

CATALOG NUMBER 3622591 or 3622592

SERIAL NUMBER \_\_\_\_\_

DATE OF PURCHASE \_\_\_\_\_

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