

LED CountUp Timers/ CountDown Timers

**Low Cost & Industrial Grade
Cabinets**

Kamal & Co

42, Mambalam High Road,
T Nagar, Chennai, 600017
sales@factorydisplay.com

Description

LED Digital Timers accurately count up or count down up to a maximum of 99 hours, 59 minutes, and 59 seconds. A switch control or Remote control lets you to run, hold or reset the timer when in count up or count-down timer mode. Increase accuracy and efficiency across an entire facility when every second counts. Deploy this LED Timers to count up or count down the seconds, and then capture and store event data for report generation.



Product Features

- A terminal block outside the unit allows for a customer-supplied contact (potential free contacts) closure to be wired to the display.
 - A. Terminal # 1 =Start (In Count down Clock Remote is used to set the start Time)
 - B. Terminal # 2 = Pause
 - C. Terminal # 3 = Resume
 - D. Terminal # 4 = Reset to "0"
 - E. Count Up or Count Down selection at first by remote
 - F. Latch contacts required for counts and Momentary contacts for Pause and reset.
- Last count held in memory

Notes and Options.

- All display are in Single colour.
- The Default supply is always in RED colour.
- Other colours on request at extra cost.
- RED colour Brightness is good for viewing both indoors and outdoors.
- For outdoor units – cost increases by 18% on base price.
- Titles and other fixed designs can be added to your specification.
- All units work off 230V AC mains (110V can be quoted for separately)
- Mounting provision
 - #1 – Top eye bolts – you can hang it from ceiling.
 - # 2 – Side clamps – you can bolt it to your supports.

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Sizes and Models						
Model	TYPE	Digit Height (mm)	Height (mm)	Width (mm)	Depth (mm)	Max Power (W)
ECON-IC-CUCD- CLK-HM-11	HH:MM OR MM:SS	140	160	320	50	35
ECON-IC-CUCD-CLK-HM-23	HH:MM OR MM:SS	260	320	960	50	155
ECON-IC-CUCD-CLK-HMS-12	HH:MM:SS	140	160	640	50	95
ECON-IC-CUCD-CLK-HMS-24	HH:MM:SS	260	320	1280	50	185

Technical Specifications	
VOLTAGE	230 VAC 1 PHASE MAIN POWER
OPERATING TEMP	5 TO 55°C
STORAGE TEMP	0 TO 65°C
RELATIVE HUMIDITY	UPTO 95% RH NON CONDENSING
DISPLAY	FULL MATRIX
LED COLOUR	RED
MEMORY	EEPROM DATA RETENTION
ACCESSORIES	POWER CABLE 1 METER, IR Remote

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Electrical Connections

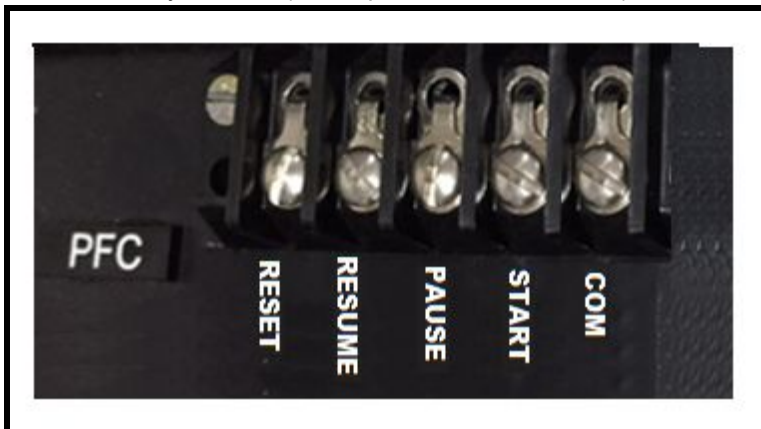
The display panel can be simply installed on a wall using the brackets provided at the back side.

After installation Power up the unit.

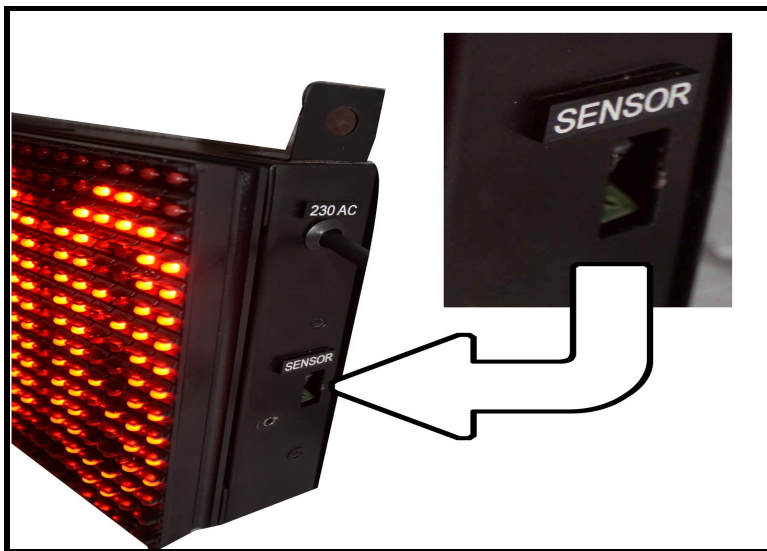
The led display will show default as "00:00".

Follow the below remote operations and set up the counter modes.

The four terminals shown below is used to Start, Pause, Resume and Reset the counters by latch and momentary contacts(PFC - potential free contacts)



Remote sensor location



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Remote Operations

The Timers can be configured as both Count UP and Count Down Timers. Pressing RED Button on the remote brings up the Mode Config Menu. First you can select between Time Format Modes. (In 16x32 Model only.)

1. HH:MM
2. MM:SS

Then you can select between Timer Modes.

1. Count Down (Stops when reaches 00:00)
2. Count Down Continue (Continues to count up after 00:00)
3. Count Up Target Stop (Stops when reaches Target Time)
4. Count Up Target (Continues to after Target Time)

Setup and Usage



Count Down Timer

To Set a Count down timer value press "OK"

Enter the MM SS by using the Numeric keys (0-9) in the remote.

To Start the Timer Pulse Terminal #1 (or press Power).

When the Timer is running To Pause the Timer , Pulse Terminal #2 (or press Sleep Key.)

When the Timer is Paused To Resume the Timer Pulse Terminal #3 (or press Menu Key.)

To Abort the Timer and reset Pulse Terminal #4 (press Mute Key.)

When the count down timer has counted down to 00:00 the 00:00 will start flashing.

To reset the timer Pulse Terminal #4 (press OK key).

This will reset the timer to the initial countdown time value.

Timer states:

IDLE : This is how the timer starts, in this state the Entered Time is Displayed.

Running: In this state the timer counts down.

Paused: In this state the Time where the Countdown was Paused is displayed.

Stopped: This happens when the timer counts down to

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	00:00 , 00:00 will keep blinking till the timer is Reset.
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Setup and Usage	Count UP Timer
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When the Timer is IDLE (It is not running and not blinking)

Press Up Key to Set the timer mode to Count UP after you confirm with OK.

To Start the Timer Pulse Terminal #1 (or press Power).

When the Timer is running To Pause the Timer , Pulse Terminal #2 (or press Sleep Key.)

When the Timer is Paused To Resume the Timer Pulse Terminal #3 (or press Menu Key.)

To Abort the Timer and reset Pulse Terminal #4 or (press Mute Key.)

Timer states For Count Up Timer:

IDLE : This is how the timer starts, in this state the Entered Time is Displayed.

Running: In this state the timer counts Up.

Paused: In this state the Time where the Countdown was Paused is displayed.

Stopped: This happens when the timer counts Up to Entered Time , Entered Time will keep blinking till the timer is Reset. Pressing the Down Key will set the timer to count down mode.

Note: There are two sets of modes in remotes Set1 and Set2, if you press Set2 then the Remote will not work. Make sure that you are in Set1 (Press Set1 button).

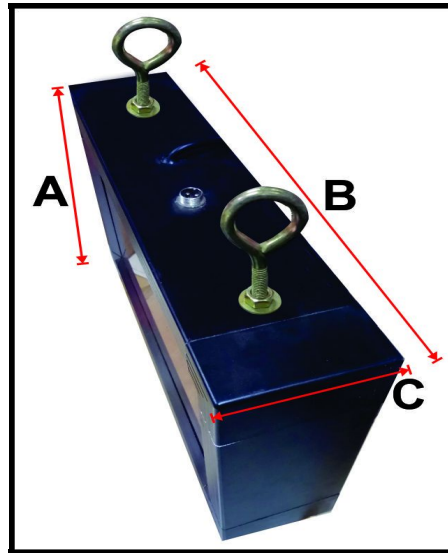
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Dimensions



All Units in mm

Model No	A	B	C
ECON-IC-CUCD-CLK-HM-11	250	410	93
ECON-IC-CUCD-CLK-HM-23	410	1050	93
ECON-IC-CUCD-CLK-HMS-12	250	730	93
ECON-IC-CUCD-CLK-HMS-24	410	1370	93

Heavy Duty Cabinet

- ❑ The Heavy Duty Cabinets make the LED board more durable and robust.
- ❑ The cabinets are made from extruded aluminium profiles and moulded corners for better appearance.
- ❑ The front filter used is Perspex / LEXAN ® sheets for UV and robust.
- ❑ The hanging hooks are also heavy and suited for mounting from your support structure.

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