

Features

12/24 hours mode clock

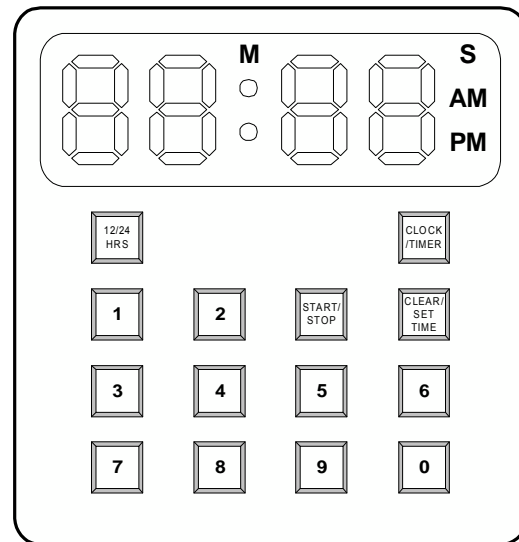
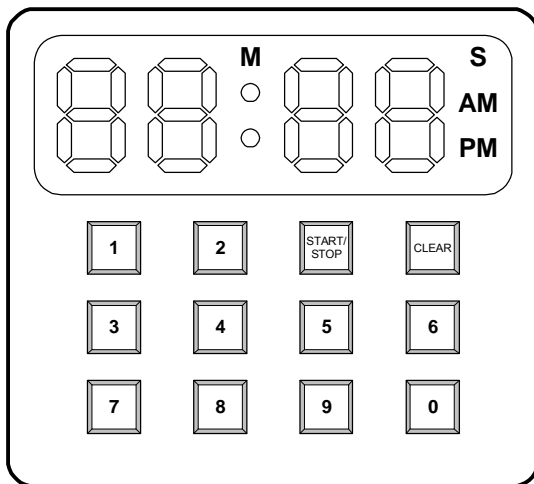
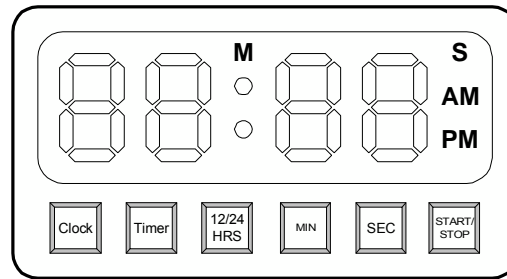
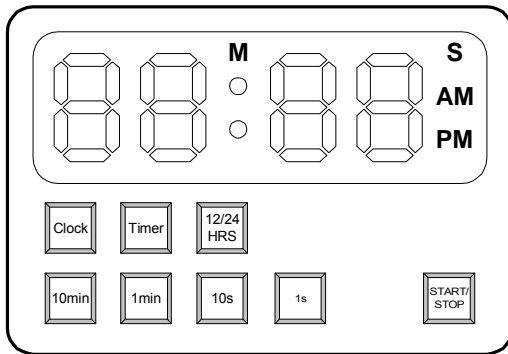
Count up/down timer function

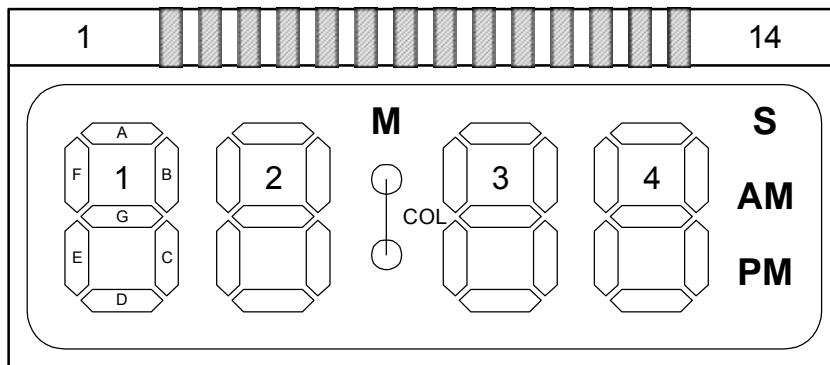
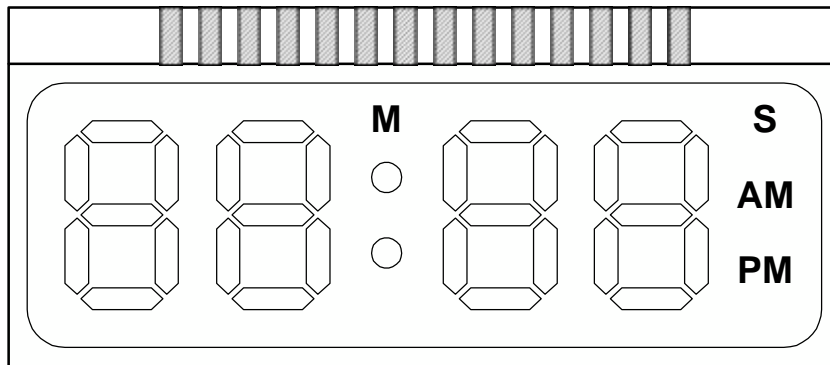
Timer range: 99 min 59 sec

4 type of Keyboard (6 Keys, 8 Keys, 12 Keys, 14 Keys)

Operating voltage 3.0V

Product Outlook





IC Pin	LCD Pin	COM0	COM1	COM2	COM3	IC Pin	LCD Pin	COM0	COM1	COM2	COM3
SEG21	1	1A	1F	1E		SEG4	8	4A	4F	4E	
SEG12	2	1B	1G	1C	1D	SEG3	9	4B	4G	4C	4D
SEG10	3	2A	2F	2E		SEG1	10	S	AM	PM	
SEG9	4	2B	2G	2C	2D	COM5	11	COM5			
SEG8	5	M	COL			COM4	12		COM4		
SEG7	6	3A	3F	3E		COM3	13			COM3	
SEG6	7	3B	3G	3C	3D	COM2	14				COM2

LCD Voltage = 4.5 Volts

LCD Duty = 1/4

LCD Bias = 1/3

6 Keys Timer with Clock

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- Press **CLOCK** key to change clock mode.

● Setting of Real Time Clock

- At clock mode press and hold **CLOCK** key for 1 seconds to set hour and minute.
- The LCD will flash, then press **MIN** or **SEC** key to adjust. Adjust of second will to zero. To rapidly increase the numbers, press and hold until the correct time is achieved.
- The setting mode will automatically revert back to time mode after 1 minute if no changes are made.

● 12/24 Hour Mode Setting

- Press **12/24HRS** to alternative 12 / 24 hour mode.

● Timer Mode

- Press **TIMER** key to change timer mode

● Count Up Timer

- In timer mode, press **START/STOP** key will count up when the timer value is zero. M and S on LCD display will flash.
- Press **START/STOP** key will stop the timer when counting up.
- Press **START/STOP** key without change the timer value will continue to count up. If the timer value have been changed, press **START/STOP** key will count down.
- The count up timer range is 99 min. 59 sec.
- When the timer value is over 99 min. 59 sec. It will be reset to 00 min. 00 sec. and count up automatically.
- Press **M** and **S** keys at same time will reset the timer.

● Count Down Timer

- In timer mode, press **M** or **S** key to adjust the timer value. Then press **START/STOP** key will count down. M and S on the display will flash.
- Press **START/STOP** key will stop the timer when counting down.
- Press **START/STOP** key will continue to count down when the timer value is not 00 min. 00 sec.
- When the timer count down to 00 min. 00 sec., the alarm sounds 1 min. Then reload the timer value.
- Press **M** and **S** keys at same time will reset the timer.

- **Clock Mode**

Press **CLOCK** key to change clock mode
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- **Setting of Real Time Clock**

- At clock mode press and hold **CLOCK** key for 1 seconds to set hour and minute.
- The LCD will flash, then press **10min** , **1min** , **10sec** or **1sec** key to adjust. Adjust of second will to zero. To rapidly increase the numbers, press and hold until the correct time is achieved.
- The setting mode will automatically revert back to time mode after 1 minute if no changes are made.

- **12/24 Hour Mode Setting**

- Press **12/24HRS** to alternative 12 / 24 hour mode.

- **Timer Mode**

- Press **TIMER** key to change timer mode

- **Count Up Timer**

- In timer mode, press **START/STOP** key will count up when the timer value is zero. M and S on LCD display will flash.
- Press **START/STOP** key will stop the timer when counting up.
- Press **START/STOP** key without change the timer value will continue to count up. If the timer value have been changed, press **START/STOP** key will count down.
- The count up timer range is 99 min. 59 sec.
- When the timer value is over 99 min. 59 sec. It will be reset to 00 min. 00 sec. and count up automatically.
- Press **M** and **S** keys at same time will reset the timer.

- **Count Down Timer**

- In timer mode, press **M** , **S** , **10min** , **1min** , **10sec** or **1sec** key to adjust the timer value. Then press **START/STOP** key will count down. M and S on the display will flash.
- Press **START/STOP** key will stop the timer when counting down.
- Press **START/STOP** key will continue to count down when the timer value is not 00 min. 00 sec.
- When the timer count down to 00 min. 00 sec., the alarm sounds 1 min. Then reload the timer value.
- Press **M** and **S** keys at same time will reset the timer.

14 Keys Timer with Clock

- **Clock Mode**

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 - Press **CLOCK/TIMER** key to change clock mode.

- **Setting of Real Time Clock**
 - At clock mode press and hold **CLEAR/SET TIME** key for 1 seconds to set hour and minute.
 - The LCD will flash, then press **0** to **9** keys to adjust. Adjust of second will to zero. **The Time showing will roll from the Right to Left.**
 - In 12 hour mode, press **START/STOP** can switch AM and PM.
 - Press **CLEAR/SET TIME** in setting mode will cancel the setting and go back to clock mode.
 - If the input is correct, it will go back to clock mode automatically.
 - The setting mode will automatically revert back to time mode after 1 minute if no changes are made.

- **12/24 Hour Mode Setting**
 - Press **12/24HRS** to alternative 12 / 24 hour mode.

- **Timer Mode**
 - Press **CLOCK/TIMER** key to change timer mode

- **Count Up Timer**
 - In timer mode, press **START/STOP** key will count up when the timer value is zero. M and S will flash.
 - Press **START/STOP** key will stop the timer when counting up.
 - Press **START/STOP** key without change the timer value will continue to count up. If the timer value have been changed, press **START/STOP** key will count down.
 - The count up timer range is 99 min. 59 sec.
 - When the timer value is over 99 min. 59 sec. It will be reset to 00 min. 00 sec. and count up automatically.
 - Press **CLEAR/SET TIME** key will reset the timer.

- **Count Down Timer**
 - In timer mode, press **0** to **9** keys to adjust the timer value. **The Time showing will roll from the Right to Left.** Then press **START/STOP** key will count down. M and S on the display will flash.
 - Press **START/STOP** key will stop the timer when counting down.
 - Press **START/STOP** key will continue to count down when the timer value is not 00 min. 00

- When the timer count down to 00 min. 00 sec., the alarm sounds 1 min. Then reload the timer value.
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- Press **CLEAR/SET TIME** key will reset the timer.

12 Keys Timer

● Count Up Timer

- In timer mode, press **START/STOP** key will count up when the timer value is zero. M and S will flash.
- Press **START/STOP** key will stop the timer when counting up.
- Press **START/STOP** key without change the timer value will continue to count up. If the timer value have been changed, press **START/STOP** key will count down.
- The count up timer range is 99 min. 59 sec.
- When the timer value is over 99 min. 59 sec. It will be reset to 00 min. 00 sec. and count up automatically.
- Press **Clear** key will reset the timer.

● Count Down Timer

- In timer mode, press **0** to **9** keys to adjust the timer value. **The Time showing will roll from the Right to Left.** Then press **START/STOP** key will count down. M and S on the display will flash.
 - Press **START/STOP** key will stop the timer when counting down.
 - Press **START/STOP** key will continue to count down when the timer value is not 00 min. 00 sec.
 - When the timer count down to 00 min. 00 sec., the alarm sounds 1 min. Then reload the timer value.
 - Press **Clear** key will reset the timer.
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PIN ASSIGNMENT

No	Name	X	Y	No	Name	X	Y
1	BAK	77.50	1399.10	23	SEG9	1602.50	344.70
2	XIN	77.50	1269.10	24	SEG10	1602.50	464.10
3	XOUT	77.50	1154.10	25	SEG11	1602.50	579.10
4	GND	77.50	1039.10	26	SEG12	1602.50	694.10
5	VDD1	77.50	924.10	27	SEG21	1602.50	809.10
6	VDD2	77.50	809.10	28	SEG22	1602.50	924.10
7	VDD3	77.50	694.10	29	SEG23	1602.50	1039.10
8	CUP1	77.50	579.10	30	IOA1	1602.50	1154.10
9	CUP2	77.50	464.10	31	IOA2	1602.50	1269.10
10	COM1	77.50	349.10	32	IOA3	1602.50	1399.10
11	COM2	77.50	224.50	33	IOA4	1472.50	1399.10
12	COM3	77.50	77.50	34	IOB1	1357.50	1399.10
13	COM4	207.50	77.50	35	IOB2	1242.50	1399.10
14	COM5	322.50	77.50	36	IOB3	1127.50	1399.10
15	SEG1	437.50	77.50	37	IOB4	1012.50	1399.10
16	SEG2	552.50	77.50	38	IOC1	897.50	1399.10
17	SEG3	667.50	77.50	39	IOC2	782.50	1399.10
18	SEG4	782.50	77.50	40	IOC3	667.50	1399.10
19	SEG5	1366.80	77.50	41	IOC4	552.50	1399.10
20	SEG6	1481.80	77.50	42	RESET	437.50	1399.10
21	SEG7	1602.50	77.50	43	INT	322.50	1399.10
22	SEG8	1602.50	224.50	44	TEST	207.50	1399.10