

ET-COUNTER SET

ET-CNT6 (Counter Display) : ET-KEY RS232 (RS232 KEY BOARD) : ET-MC16 (Multi Counter 16 INPUT) www.ett.co.th



ET-CNT6 (P-ET-A-00083)



ET-CNT6 is a part of 6 Digit Display and control with Microcontroller. Display is 7-Segment size 5mm. Super-Bright LED 3.5 Inch height and is able to see 50m. further visibly. Input of counter is designed as Input Counter and Reset Counter Opto-Isolate Type. It is able to connect with Input signal as Contact and 12V Signal Pulse and is able to connect for long distance. Moreover, there's Backup Circuit for saving Counter for 2 years in case of shot-circuit.

There's various functions for support Counter Operation Program. For example, Terminal Display Function, it displays Counter, Target and Difference of Target and displays related data in one board. Users can set many boards in different places but boards still display in the same data.

Moreover, there's supporting accessories for using efficiently. For example, Et-MC16 (Multi-Counter16 Input), it is support system in case of user want to use Counter Input more than 1 signal. It is able to connect 16 Input in the same time for Multi-Counter and connect with Output of Multi-Counter to go to Input of Counter. ET-KEY232 (Keyboard Rs232) is support accessory for setup Modes or Parameter values such as Preset Counter, Target Counter or Alarm.

There's 3 Modes of ET-CNT6:

Counter Mode is a Counter program and there's various counters to select to use in a suitable project work.

- Count-Up Program : 000000-999999 or
Count-Down Program : 999999-000000
- Divide Program for Counter such as count 1 when 12 Input
- Preset Counter Program
- Target Counter Program
- Input Signal Program : +12V Signal Pulse Input or Contact Switch Input and be able to set Debounce Program in case of using Contact Switch Input
- Alarm program

Specification

Operating Voltage Supply :	220VAC/50Hz
No of Digit Display :	6 Digit of 7-Segment
Display Type :	LED 7-Segment (Dot LED 5mm. Super-Bright)
No of Input Signal :	2 Input (1 Signal Counter & 1 Reset Counter) Opto isolation
Input Signal Counter Type :	Contact Switch or 12V Pulse Signal
Input Reset Counter Type :	Contact Switch or 12V Pulse Signal
Counter Speed :	10-CPS (10Hz)
No of Output Signal :	2 Output (1 Counter Output & 1 Alarm Output)
Output Counter Type :	12V Pulse Signal
Output Alarm Type :	Relay Contact 2A/250VAC(NO-COMMON-NC)
Battery Backup Time :	2 Year Data Backup
Operation Mode :	3 Mode Programmable Operation :Counter Mode :Terminal Display Mode (RS485) :Serial Display Mode (RS232)
Programmable Mode Device :	RS232 Keyboard Switch BOX (Option)
Display Dimension (W x L) :	11.5 x 52.5 cm (4.5 x 20.6 Inch)
BOX Dimension (W x L x D) :	16 x 65 x 7 cm (6.2 x 25.5 x 2.7 Inch)

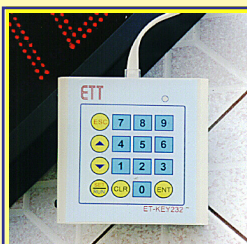
Terminal Display Mode is Network Display (RS485) to support Counter Mode Program. It displays many Actual, Target and Difference in many places. All Terminal Display comes from Main Counter, users can connect 32 Terminal Displays with 1 Counter in maximum 4000 feet further (1200m.) and it is set to display in 3 modes;

- Actual Display Program
- Target Display Program
- Difference Display Program

Serial Display Mode is RS232 Display. Data comes from RS232 and is able to display Number 0-9, Decimal Point (.), and Minus Sign (-). It displays 6 Digit and programs data of RS232 like these;

- Baudrate :9600 BPS
- Start Bit : 1 Start Bit
- Data Bit : 8 Bit
- Stop Bit : 1 Stop Bit
- Parity Bit :Non Parity

Value of Format to Display is standard ASCII Code of numbers or signs and displays not more than 6 Digit (not include Decimal Point (.)) and close with Enter Code (0DH). An example of this adaptation is display weight of scale or display any counter from RS232.



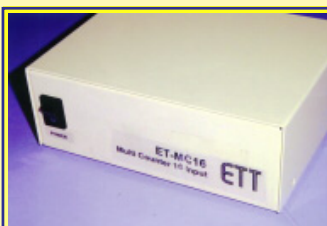
(P-ET-A-00087)

ET - KEY 232

ET-KEY232 is 16 key Keyboard Switch with RS232 Output and connect with ET-CNT6 or adaptation in other project work that wants RS232 Input.

- 16 KEY TACT SW USES 0-9, ESC, UP, DOWN, SET/RUN, CLR, ENT
- SEND DATA THROUGH PRESS SW KEY AS ASCII CODE

- SEND DATA AS 9600 BSP, 1 START BIT, 8 BITS DATA, 1 STOP BIT, NON PARITY
- INPUT POWER SUPPLY +5VDC RJ45 PORT TYPE
- 3 M. CABLE FOR CONNECT WITH KEYBOARD
- BOX SIZE 11.5 x 11 x 3 cm. (4.5 x 4.4 x 1.2 Inch)



(P-ET-A-00086)

ET - MC16 (MULTICOUNTER)

It is addition accessory of Counter in ET-CNT6 and connect with INPUT. Be able to connect with 16 channel counter independently or connect ET-MC16 with ready-made COUNTER for counter expansion.

- 16 CHANNEL COUNTER BE ABLE TO SELECT CONTACT INPUT OR OPEN COLLECTOR
- BE ABLE TO SET DEBOUNCE VALUE OF CONTACT INPUT FROM 0-15 m SEC
- BE ABLE TO SEPARATE SIGNAL AND CONTROL THROUGH OPTO ISOLATION