

# Universal Counter



Configuration Via Computer

## CT771

CT771 devices are 72 x 72 mm in size. They are devices designed for impact counter, timer, period and similar applications in industrial environments.

It can control On / Off with relay outputs. It can transmit the process value with one Analog Output. RS485 are modular devices that can communicate with the scale system with the standard MODBUS RTU.

### Device Features

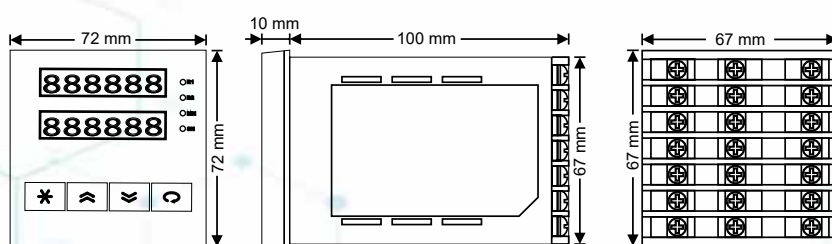
- 2 pcs 6 Digit Numeric Display
- 4 pcs LED Indicator
- 11 Digit Totalizer and Batch Totalizer Indicator
- 1 pcs Transmitter Supply(24Vdc)
- 1 pcs Sensor Input (mA,mV,V,Puls)
- 2 pcs Numeric Input(Totalizers to reset the outside)
- 1 pcs RS485 Communication Unit
- 1 pcs Analog Output (0/4-20mA.0/2-10V)
- 3 pcs Relay or Logic Output (24VDC)
- 100-240V AC/DC Universal or 24V AC/DC Supply
- Isolation Between Input/Output Modules

- Sensor Error Detection
- Retransmission (For Process and Set Value)
- Forward-Backwards Counter
- Creating Time-Dependent Alarm
- 6 Different Relay Functions
- ON/OFF, PID Control
- 100ms Sampling and Control Cycle
- Standard MODBUS RTU Communication Protocol
- Configuration Via Computer

### Input Types

Sensor Type	Standard	Min.	Max.
Pulse			8000
0 / 4-20 mA		0 mA	20 mA
0 / 2-10 VDC		0 VDC	10 VDC

### Device Dimensions

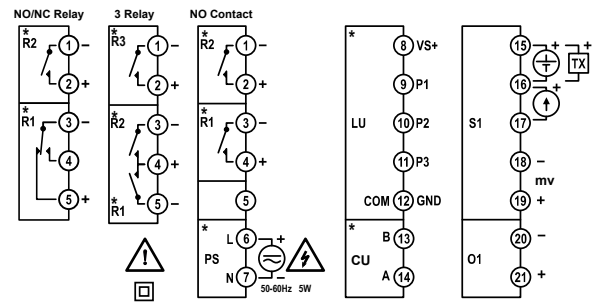


Panel Cutting Dimensions = 68 ± 0,5 mm x 68 ± 0,5 mm

## Technical Specifications

<b>Power Supply ( PS )</b>	100-240 Vac/dc +10%-15% 24 Vac/dc +10%-20%
<b>Power Consumption</b>	5W, 8VA
<b>Universal Sensor Input ( S1 )</b>	Two Wired Transmitter = 4-20mA Resistance Thermometer = Pt-100 Current = 0/4-20mA Voltage = 0-50mV, 0/2-10V
<b>Transmitter Supply ( TX )</b>	24Vdc ( I <sub>sc</sub> = 30mA )
<b>Analog Input Impedance</b>	Current = 10Ω Voltage = 1MΩ
<b>Analog Output ( O1 )</b>	Current = 0/4-20mA ( R <sub>L</sub> ≥500Ω )
<b>Relay Output ( R1,R2,R3 )</b>	Contact = 250VAC 10A
<b>Contact Lifetime</b>	No Load = 10.000.000 Switching 250V,10A Resistive Load = 1.000.000 Switching
<b>Memory</b>	100 Years, 100.000 Renewals
<b>Accuracy</b>	+/- 0,2%
<b>Sampling Time</b>	100 ms
<b>Environment Temperature</b>	Working = -10...+55°C Storage = -20...+65°C
<b>Protection Class</b>	Front Panel = IP54 Trunk = IP20
<b>Dimensions</b>	Width = 72 mm Height = 72 mm Depth = 110 mm
<b>Panel Cutting Dimensions</b>	68 +/- 0,5 mm x 68 +/- 0,5 mm
<b>Weight</b>	292 gr

## Modular Structure and Connection Diagram



Module	Description
S1	Universal sensor input module
CU	RS485 MODBUS RTU Communication Module
LU	Logic Input Module
O1	Analog Output Module
R1,R2,R3	Relay Output Module
PS	Supply voltage input (Supply voltage is determined by product code).

## Product Code

CT771 - / 0 / 0

### Power Supply :

0 = 100-240Vac (Universal)  
1 = 24Vac/dc

### Communication Module :

0 = N/A  
3 = RS485 (MODBUS) Communication Module

### Analog Output Module :

0 = N/A  
1 = 0/4-20mA Current Output  
2 = 0/2-10Vdc Voltage Output

### R1 Output Module :

0 = N/A  
1 = NO Contact  
2 = 24V Logic Output ( to drive SSR )  
3 = NO/NC Contact

### R2,R3 Output Modules :

0 = N/A  
1 = NO Contact  
2 = 24V Logic Output ( to drive SSR )

Note : If R3 relay output is coded, R1 and R2 relay outputs must be coded as the same type and NO / NC cannot be selected.  
If the relay output R1 is coded as 3 (NO / NC), the R3 module must be 0.