

General Features:

- Dual LED four digits display, size 48mm*48mm
- Counting range -1999~9999, setting range 1-9999
- Dry contact input, NPN transistor input, Quadrature 90° input
- Input frequency from 1 to maximum 5000 Hz and configurable
- Normal counting/batch counting/totalizing counting
- Various reset mode and relay reset delay function
- 12VDC 100mA auxiliary power source for sensor
- Up or down counting mode selectable
- 85~265Vac source or 24VAC/DC source
- Power failure retention on/off configurable
- Decimal point display, no decimals to maximum 3 decimals
- Relay reset delay range 0.01 seconds~99.99 seconds
- Multiplier available for easy meter counting application
- Quadrature input for encoders
- **Optional features**
 - RS485 Modbus RTU Communication
 - OP2/OP3/OP4 output optional
 - 24VDC/AC source optional, standard source is 85~265Vac
 - 2 alarm options, 1 alarm is standard as OP1



Ordering Information

FT-48 (48mm*48mm)(width*height) - **1** **2** **3** **4** **5**

1:Function designation for AU1 terminals at the back

N	No functions for AU1 terminals
A	AU1 terminals will be used as RST and GATE(count holding) purpose
2	AU1 terminals will be used as SP2 output(OP2)
3	AU1 terminals will be used as BA1 batch count output(OP3)
4	AU1 terminals will be used as SU1 totalizing count output(OP4)

2:Function designation for AU2 terminals at the back

N	No functions for AU1 terminals AU2 terminals is not available with DC100, this is a reserved options for bigger size that will availalbe later
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3:Function designation for AU3 terminals at the back

N	No functions for AU1 terminals AU3 terminals is not available with DC100, this is a reserved options for bigger size that will availalbe later
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4:Power supply

B	85~265Vac 50/60HZ (standard option)
D	24VDC/AC

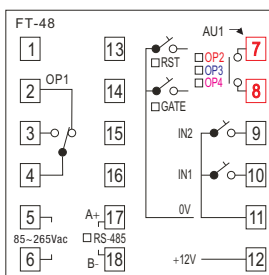
5:RS-485 communication option

N	Without communication function
M	RS-485 modbus communication

eg: FT-48-A-N-N-B-N, FT-48 counter, AU1 terminals used ad RESET and GATE function, power supply, 85~265Vac, without communication function

Please check wiring diagram and explicit information on the AU1 terminals to help you with the ordering on our counter, For FT-48, the terminal 7 and 8 also referred as AU1 terminals can be equipped as RST or GATE function, or a relay can be installed at terminal 7 and 8 as OP2 output for SP2 setting, or 7 and 8 as OP3 for batch count output, or 7 and 8 equipped as OP4 for totalizing count, you can't have them all because there is only 2 terminals, have to make a choice when order with us, the standard option is RST and GATE function

- A** AU1 terminals will be used as RST and GATE(count holding) purpose
- 2** AU1 terminals will be used as SP2 output(OP2)
- 3** AU1 terminals will be used as BA1 batch count output(OP3)
- 4** AU1 terminals will be used as SU1 totalizing count output(OP4)



Technical Specifications

General Specifications

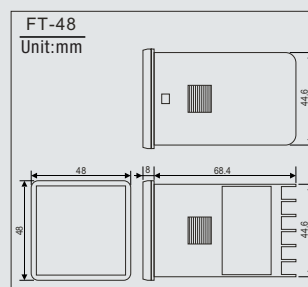
Electrical Specifications

Display	Dual line 4 digits LED display
Counting range	-1999~9999
Setting range	1-9999
Input type	Dry contact, NPN transistor, Quadrature 90°
Input frequency	From 1HZ to maximum 5000 HZ
Counting pattern	Normal pattern, batch, totalizing count
Relay reset delay	0.01S~99.99S
Auxiliary power	12VDC 100mA
Counting mode	Up or down counting
Power source	85~265Vac or 24VDC/AC
Power failure retention	with or without retention configurable
Decimal points	1 decimal to maximum 3 decimals
Communication	Modbus RS-485 RTU
Power consumption	12VA
Output relay rating(OP1)	5A/250Vac
Output relay rating(AU1)	3A/250Vac

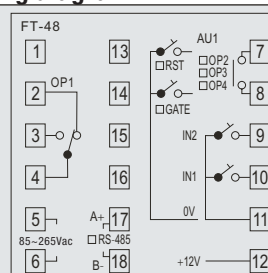
Mechanical Enviromental Specifications

Size	48mm*48mm, panel cutout 44.6mm*44.6mm
Weight	0.16 kg
Operating temperature humidity	-10°C~+50°C 45%~85% RH

Size and dimension



Wiring diagram



Depends on your selection, the terminal, 7 and 8 could be used as OP2 for SP2, 2 level setting or OP3 as batch count output relay or OP4 as batch count output relay