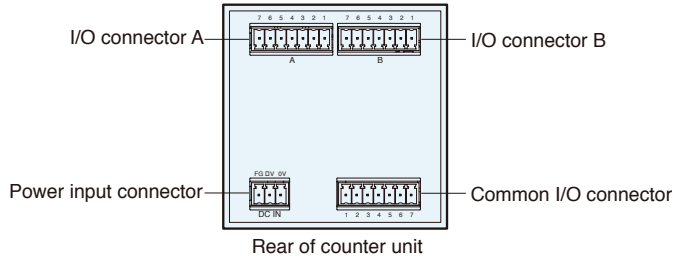


LT Series Usage Notes

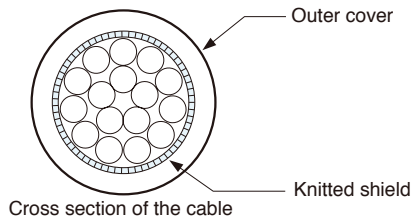
I/O connector

The I/O connector on the rear panel of the counter unit has functions for Go/No-go output based on the comparator function, start input, pause input, RS-232C trigger input, and reset input.

< Connector pin assignment >



Use a shielded cable for connection to the FG pin on the rear of the counter unit. (Prepare a shield cable by yourself.)



Connector used: MC1.5/7-ST-3.5 (provided) made by Phoenix Contact

I/O connector (common)

Pin No.	Signal name	IN/OUT	Description
1	GND	-	
2	START(A)	IN	Start/latch input (A)
3	PAUSE (A)	IN	Pause input (A)
4	START(B)	IN	Start/latch input (B) ^{*1}
5	PAUSE (B)	IN	RS-232C data output and trigger input ^{*2}
6	RS-TRG	IN	
7	GND	-	

*1 Connection is prohibited for 1-channel model.

*2 Connection is prohibited for models other than RS-232C model.

I/O connector description I/O connector A

Pin No.	Signal name	IN/OUT	Description
1	GND	-	
2	NC	-	Connection prohibited
3	RESET (A)	IN	Reset input (A CH)
4	LO (A)	OUT	Go/No-go output Low (A CH)
5	GO (A)	OUT	Go/No-go output Go (A CH)
6	HI (A)	OUT	Go/No-go output High (A CH)
7	GND	-	

I/O connector B (not provided for 1-channel models)

Pin No.	Signal name	IN/OUT	Description
1	GND	-	
2	NC	-	Connection prohibited
3	RESET (B)	IN	Reset input (B CH)
4	LO (B)	OUT	Go/No-go output Low (B CH)
5	GO (B)	OUT	Go/No-go output Go (B CH)
6	HI (B)	OUT	Go/No-go output High (B CH)
7	GND	-	

< Go/no-go judgment output >

High: Display value > upper limit → "L" (ON)

Go: Upper limit ≥ display value ≥ lower limit → "L" (ON)

Low: Lower limit > display value → "L" (ON)

Note: All go/no-go judgment outputs become "H" (OFF) if alarm occurs.

<Start/latch input>

● If judgment output is "L" (ON), the max. and min. values are set to the current value (and peak-to-peak value is "0"), and new holding starts (start function).

● When initial settings are set to shipment settings, if the measuring mode is in current value mode, go/no-go judgment output (I/O connector) and display are held at "L" (ON) (latch function).

Note: While judgment output is "L" (ON), reset/preset value recall by reset key or using an external reset/preset value recall input signal becomes invalid.

<Reset input>

Measured value is set to "0" if judgment output is "L" (ON). If a preset is made, a preset value is recalled.

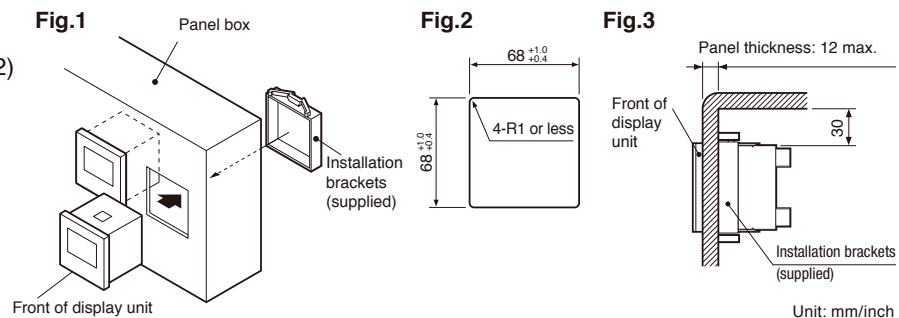
Note: Even if "L" (ON) is left as is, go/no-go judgment output (I/O connector) and display are not held.

Installing the LT10A/11A/30 counter unit

When mounting in a panel

1. Cut out an opening to match the dimensions shown (Fig.2)
2. Insert the display unit into the cut-out opening in the panel from the front.
3. Attach the supplied installation brackets (upper/lower) from the rear.
4. Use fingers to tighten and secure.

Note: When attaching the installation brackets to the display unit, leave sufficient space (min. 30mm) between it and the panel (Fig.3).



Unit: mm/inch