

◆ CH、TH SERIES

◆ Self - Powered Digital Counter/Timer

◆ 48x24 Panel dimension

◆ 7 digits LCD Display

◆ Ordering Information

Model No.	CH-7N	CH-7P	CH-7A	TH-7NM	TH7NH	TH-7PM	TH-7PH	TH-7AM	TH-7AH
Feature	Counter			Timer					
Input signal	NPN	PNP	HI-V	NPN		PNP		HI-V	
Range	99999999			999999.9					
Unit	Count 1 per pulse			Minute	Hour	Minute	Hour	Minute	Hour

◆ Specification

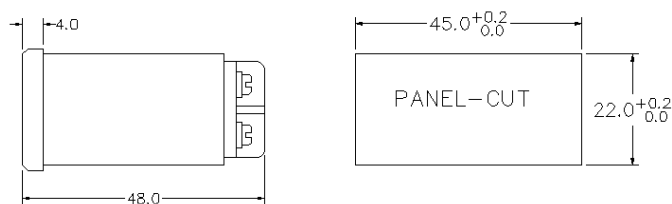
➤ General feature

Model No.	CH-7X		TH-7XX	
Mounting	Flush Mounting			
Degree of Pollution	CAT II			
Degree of Installation	CAT II			
Digits	99999999		999999.9	
Display	8mmH LCD			
Input Signal	10Hz MAX	NPN(Non-voltage) : Via opening and closing contact		
		PNP(Voltage) : Via signals Hi (6-24Vdc) and LO (4-0Vdc) Voltage		
		HI-V : AC/DC 90~240V		
Data Backup	KEEPS 10 years at least.			

◆ Rating

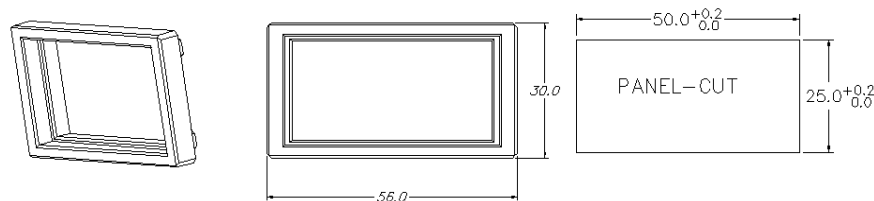
Ambient operation temperature	0 to 50℃
Storage temperature	-24 to 60℃ with no icing
Ambient operating	35% to 85% RH

◆ Dimension (unit in mm)

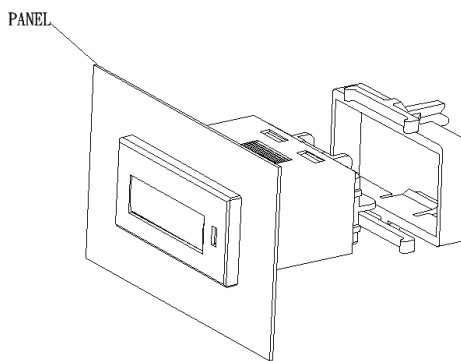


ACCESSORY PART (OPTIONAL) PART NO.PK-CH003

the Flush Mounting Adapter allow the counters to be fitted to existing panel cutouts.



Insert the counter in the cutout from the front, and then insert the adapter from the back and push in the counter while making the gap between the front panel and the cutout panel as small as possible.

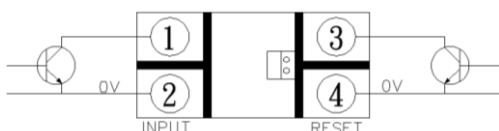
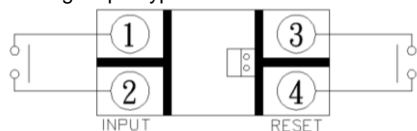


◆ Caution

1. The counter, input signal lines, and the input sensors must be separated as far as possible from any sources of electrical noise, such as high-voltage power lines.
2. The counter is a built-in component during installation the relevant requirement shall be maintained.
3. For the permanent connection to the power supply, 18AWG wire with U-terminal shall be used.

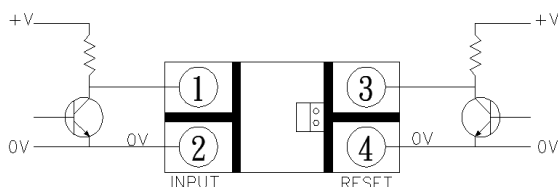
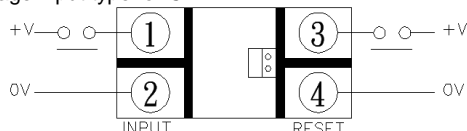
◆ Connection Diagram

Non-voltage input type for CH-7N, TH-7N



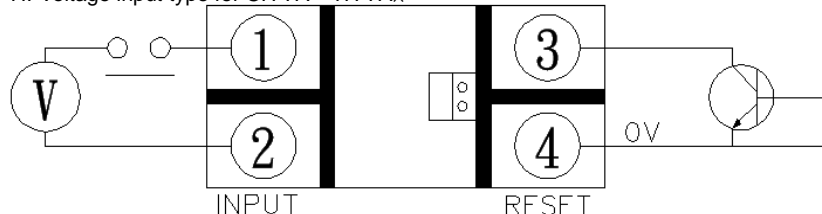
Terminals 2 and 4 are connected internally.

Voltage input type for CH-7P



Terminals 2 and 4 are connected internally.

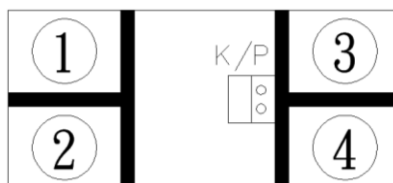
HI-Voltage input type for CH-7A, TH-7Ax



Terminal 2 is isolated from terminal 4.

◆ Reset Counter

To prevent resetting the value from the reset button, just let the "K/P" jumper open at the rear of the counter. The function of resetting will be disable.



WARNING

Do not dispose in fire, explosive hazard.