Basic Troubleshooting

*LED not displayed
Check the power source is correct voltage and correct polarity.
Check the connection of signals cable
*Don't count step
Check the signal wire is correct and tight.
Check the impulse signal range
*Display appears scrambled
Check that all connections are correct and tight.
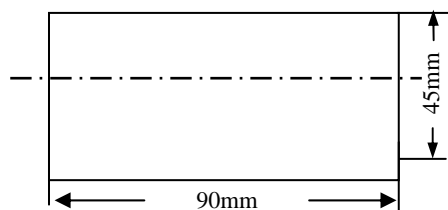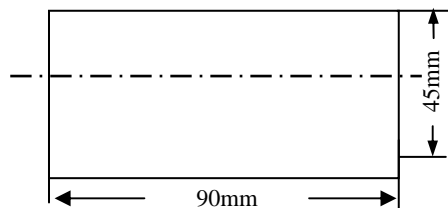Check that there is no harsh interference nearby.
*Display appears scrambled
　Check that all connections are correct and tight.
　Confirm no strong electromagnetic interference nearby.
*Caution
　Do not disassemble
Panel Cutout Size

MANUAL
DIGITAL COUNTER CONTROLLER

```
|<-------- 90mm -------->|   45mm
```

XL1002J   Digital Counter
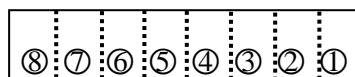**(24VDC POWER SUPPLY)**

FEATURES:
Ultra-bright LED display
15.00mm digit height
Low cost
High accuracy
Easy to install, snap-in/mount in panel
Ideal for auto, boat, industrial, commercial & domestic uses
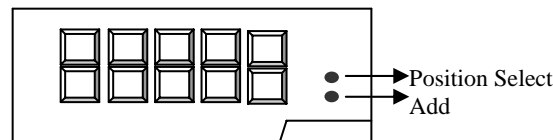
OPERATION SPECIFICATIONS:

Power Source	24VDC 150 mA
Maximum Count	99999 (5 digits)
Count Frequency	≤ 2kHz
Accuracy	±0. 2%+2digit
Zero clearing	Short terminal
Counter signal	3.5~5VDC square wave
	Or short signal termial
Operating Temperature	0 to 55 ℃
Storage Temperature	-10 to +80 ℃
Humidity	20%-80%
Weight	300g
Dimension	W96 x H48 x D77mm
Panel cutout	90x45mm
Mounting Method	Snap-in

Terminal Connection Diagram

METER REAR

⑧ ⑦ ⑥ ⑤ ④ ③ ② ①

PIN 8   + 24V DC Positive, Power source
PIN 7   - 24V DC Negative, Power source
PIN 5   PIN 6   Relay Switch [Max pass 220VAC 1A]
PIN 4   RESET /Zero Clearing [Short PIN4, PIN2]
PIN 3   SETUP [Short PIN4, PIN2]
PIN 2   Common Ground
PIN 1   Counter add Signal input [or Short PIN 1, PIN2]

Position Select
Add

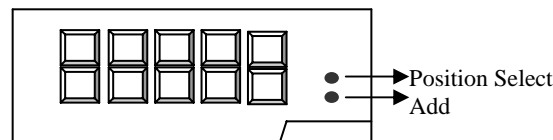**Upper Counting Limit SETUP:**
Short Terminal PIN3,PIN2,
     Login into setting status, the first '8' will flicker
Press 'ADD' button, change the limit value of the flickering '8'.
Press 'Position select', to change setting position
Short Terminal   PIN3,PIN2, quit out setting status.