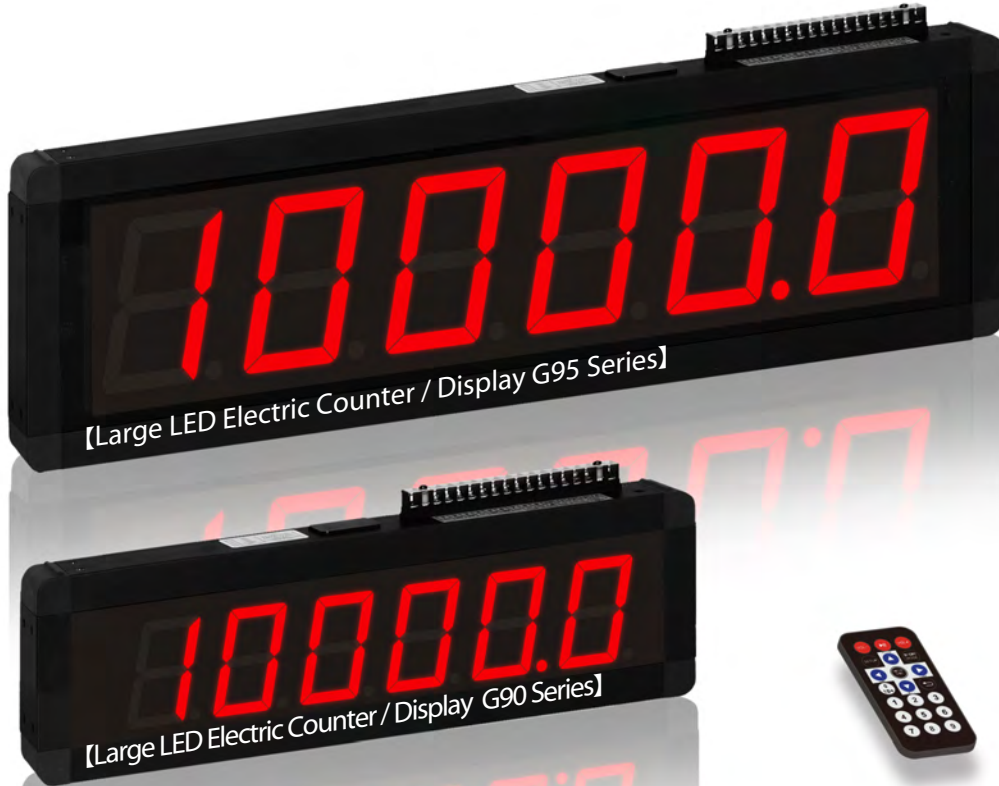


G90 / G95 SERIES



[Large LED Electric Counter / Display G95 Series]

[Large LED Electric Counter / Display G90 Series]

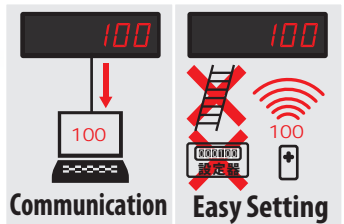
[Exclusive Remote Controller for G90/95-305]



Visualize production progress in each production area and workcell.



Visualize production progress throughout your factory and production lines.



G90-305 and G95-305 have joined to enhance your user experience!!

- Digit size: G90 series 56.8 mm (H), G95 series 101.6 mm (H)
- All the models come with both hanging brackets and base-mounting brackets.

Models	Digits	Function	Settings	Write (Setting of initial value at resetting)	Interactive Communication	Approx. Weight
G90-301	6	Totalizer	DIP switch	-	-	1.5kg
G90-303	6	Totalizer + Display(Selectable)	DIP switch	BCD Input	-	1.5kg
G90-305	6	Totalizer + Display(Selectable)	Supplied Remote Controller	RS485 or Supplied Remote Controller	RS485	1.5kg

Models	Digits	Function	Settings	Write (Setting of initial value at resetting)	Interactive Communication	Approx. Weight
G95-301	6	Totalizer	DIP switch	-	-	3kg
G95-303	6	Totalizer + Display(Selectable)	DIP switch	BCD Input	-	3kg
G95-305	6	Totalizer + Display(Selectable)	Supplied Remote Controller	RS485 or Supplied Remote Controller	RS485	3kg

■ Counter Mode & Display Mode: G90/95-303 and G90/95-305

"Counter Mode" and "Display Mode" is selectable, using DIP switch (G90/95-303) or the supplied remote controller (G90/95-305).

Counter Mode

Initial value at resetting is programmable between -99999 and +999999. It starts counting from the programmed value [=Write value].

Display Mode

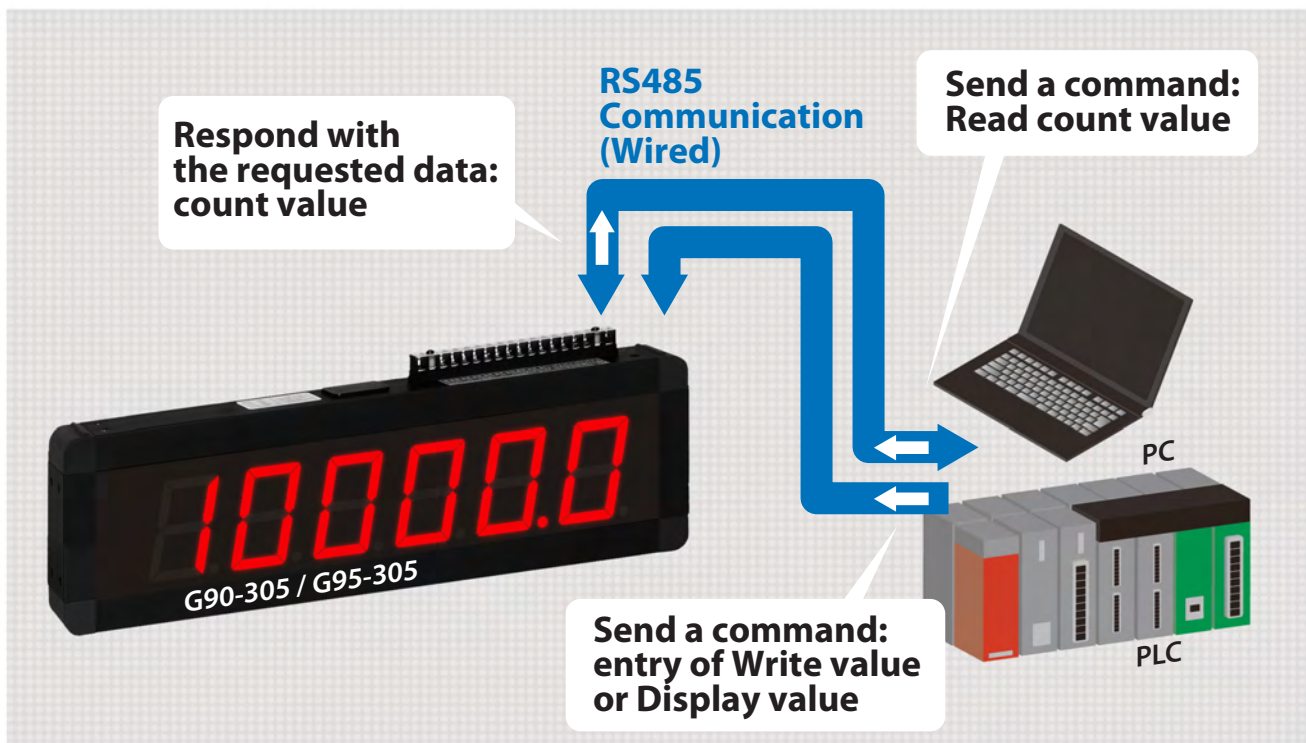
It keeps on showing a value that you program between 0 and +999999 [=Display value]. Display value can be changed as soon as you re-program. During "Display Mode", it does not work as a counter.

Applicable devices for setting Write value or Display value :

- G90/95-303 : PC, PLC, Setting Unit (PU-06-001)
- G90/95-305 : PC, PLC, Supplied Remote Controller

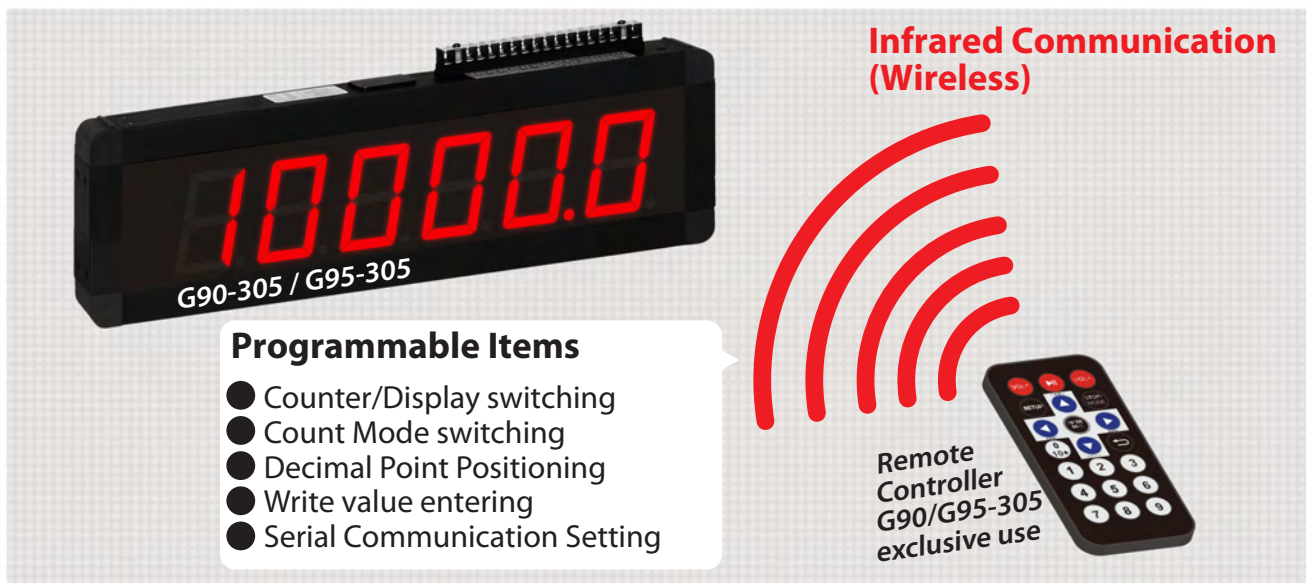
■ RS485 Communication: G90/95-305

You can set up interactive communication with G90/95-305.



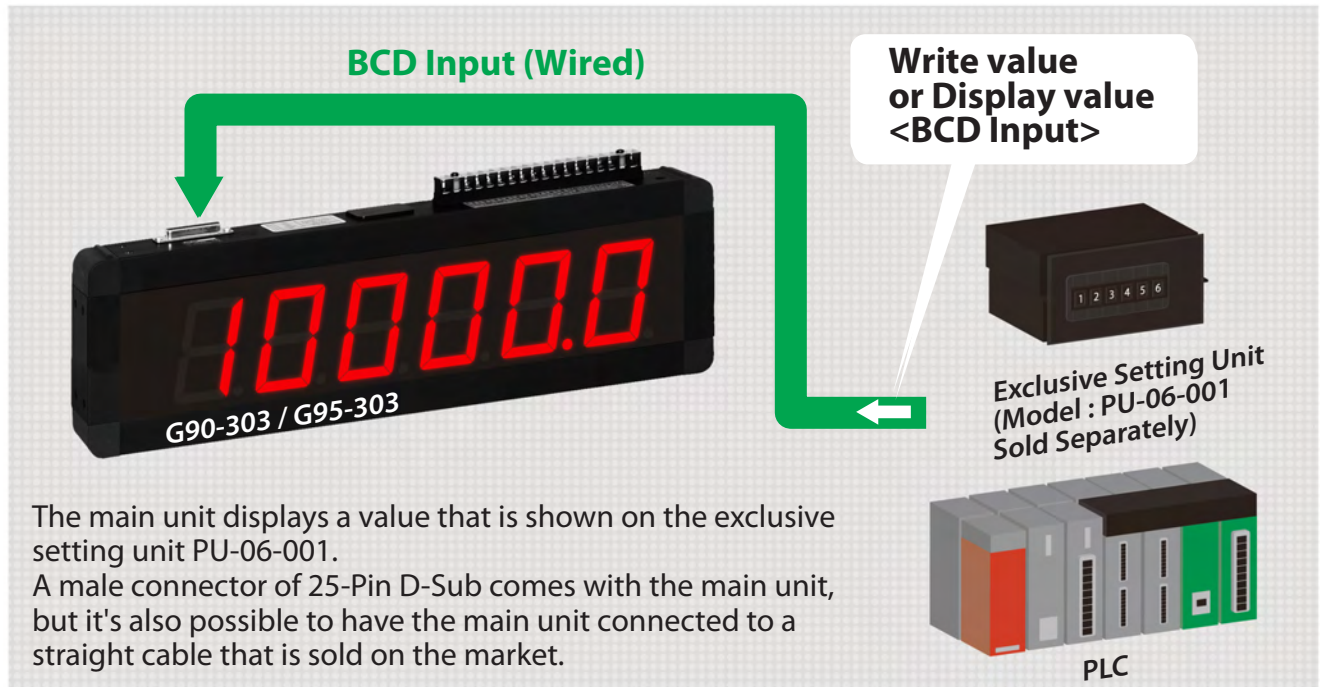
■ Setting by the Supplied Remote Controller: G90/95-305

The supplied remote controller can change settings, such as Write value, Display value. No more high-place work to change settings!



Setting by BCD Input: G90/95-303

Write value or Display value can be set by BCD input through the exclusive setting unit or PLC.



Specifications

Models	G90-301	G90-303	G90-305	G95-301	G95-303	G95-305
No. of Digits	6					
Digit Size	56.8(H) mm x 32.4(W) mm			101.6(H) mm x 60.0(W) mm		
Power Source	AC100 - 240V / -15% - +10% 50/60Hz					
Power Consumption	Approximately 6VA					
Input	Non-contact Input : Open Collector Transistor : L < 2V (Sink Current approximately 7 mA) Voltage Input : L : 0 - 5V H : 10 - 30V (Input Impedance 1.6 kΩ) Contact Input : Relay, Microswitch, etc. (Sink Current approximately 10 mA)					
Count Speed	Non-contact : 1kHz Contact : 20Hz					
Count Mode	90° Quadrature Input Add/Subtract (Individual) Input					
Count Range	-99999 - +999999					
Display Range (Display Mode)	-	0 - 999999	-99999 - +999999	-	0 - 999999	-99999 - +999999
Write Range(Counter Mode)	-	-99999 - +999999		-	-99999 - +999999	
Power Source for Sensor	DC12V 100mA					
Reset	External Reset : 100msec min. / L < 2V (Sink Current approximately 10 mA) No power reset or push button reset					
Input Inhibit	Input Inhibit : L < 2V (Sink Current approximately 10 mA)					
Operating Humidity	45 - 85%RH (Non-Condensing)					
Operating Temperature	-10 - +50°C (Non-Freezing)					
Storage Temperature	-20 - +60°C (Non-Freezing)					
Installation Environment	Overvoltage category II , Pollution degree 2 (IEC61010-1)					
Withstand Voltage	AC1500V 1 minute					
Insulation Resistance	100MΩ min. (DC500V Megger)					
Noise Immunity	Square Wave Noise from Noise Simulator Power Terminals : ±2.0kV / Input Terminals : ±500V					

* Indoor use only / Not for outdoor use

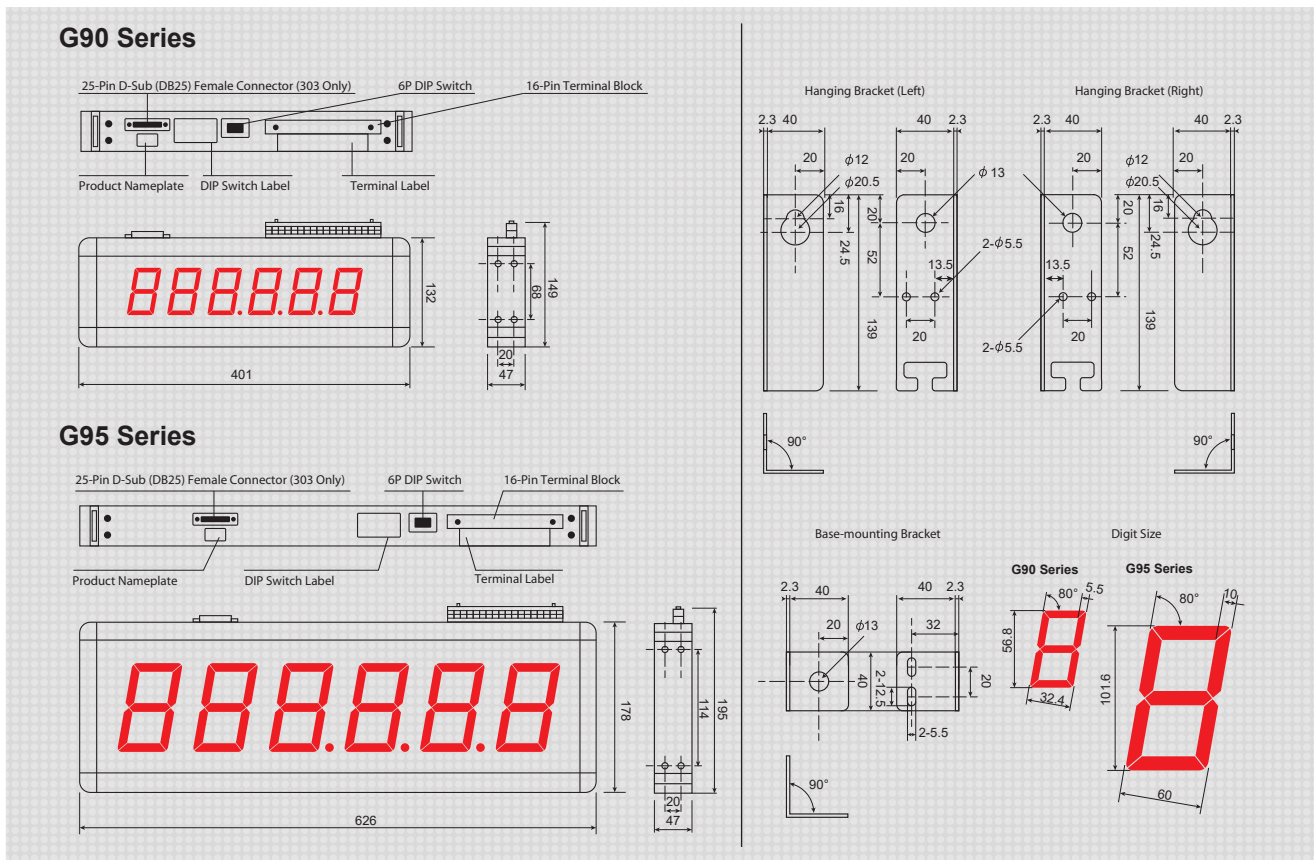
BCD Input Specifications (G90-303 / G95-303 only)

BCD Input	Open Collector Transistor : $L < 2V$ (Sink Current approximately $60 \mu A$) or Contact Input (Digital Switch) Parallel BCD (Positive Logic / Negative Logic)
Connector	25-Pin D-Sub (DB25) Female Connector (25-Pin D-Sub (DB25) Male Connector is included)

Communication Specifications (G90-305 / G95-305 only)

Communication	RS485 Serial communication
Way of Communication	Half duplex, Asynchronous
Network	Multidrop
Baud Rate	9600 bps (Fixed)
Format	ASCII code, Start bit : 1 bit, Data bit : 8 bit (Parity bit : 1 bit), Stop bit : 1 bit
Parity	NON / ODD / EVEN (Selection)
Delay Time	2ms (Fixed)
Communication setting method	Infrared Remote Controller (Accessory)
Easy Software for G90-G95	The software can be downloaded from our website free of charge. The device should be connected to the terminal of the PC using an RS485 serial communication device available in the market.

Dimensions (mm)



<https://www.lineseiki.com>

LINE SEIKI CO., LTD.

37-7 Chuo-cho, 2-Chome
Meguro-ku, Tokyo 152-0001 Japan
Please visit our company website for contact details
webtrade@line.co.jp

This catalog was last revised as of Jun 26, 2024.
*Specifications and printed contents are subject to change without prior notice.
All Rights Reserved, Copyright © 2024, LINE SEIKI CO., LTD.