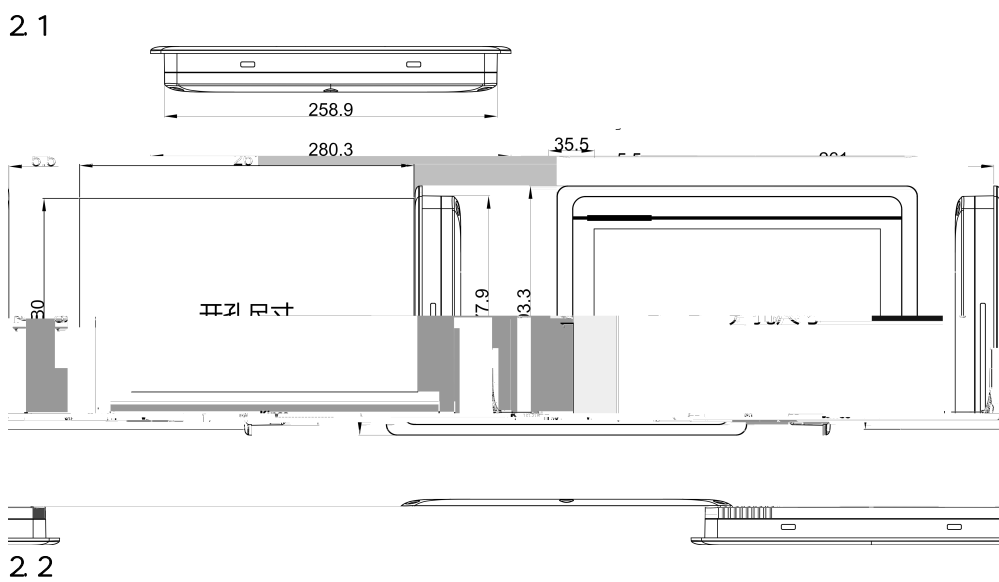


' GND

' FG

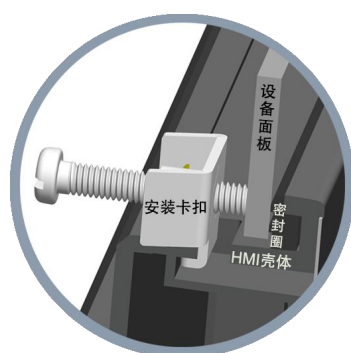
DC10V DC28V

GL100/GL100E



HMI

0.5N m



' DC24V'

COM0/COM2

9 D

COM0

RS232/485/422

COM2 RS232

	USB	U		
	USB		U	/

10M100M

RJ45

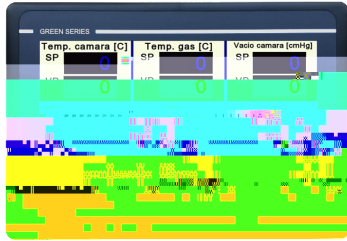
UTP

HMI

/

h

# GL100 /GL100E HMI



Add Building 1, No. 6 Langshan 1st Rd, Hi-tech Park North, Nanshan, Shenzhen, China.  
Tel 0755-26585555 Fax 0755-26616372 [http //www.kinco.cn](http://www.kinco.cn) Email [sales@kinco.cn](mailto:sales@kinco.cn)

Operating temperature: GL100/GL100E HMI can work stably in most industrial environments that the temperature between 32°F to 122°F (0~50°C).

NEMA rating: This Series HMI frontpanel is NEMA 1 rated.

Places direct in sunlight  
Surrounding temperature and humidity beyond the specifications  
Places of temperature changes sharply and easily cause condensation  
Places that exist corrosive gas and combustible gas  
Places of much dust, dirt, salt and iron powder  
Places that will be splashed water, oil and drugs

Places that exist electrostatic or other kinds of noise  
Places of strong electromagnetic  
Places that may be exposed to rays  
Places near the power

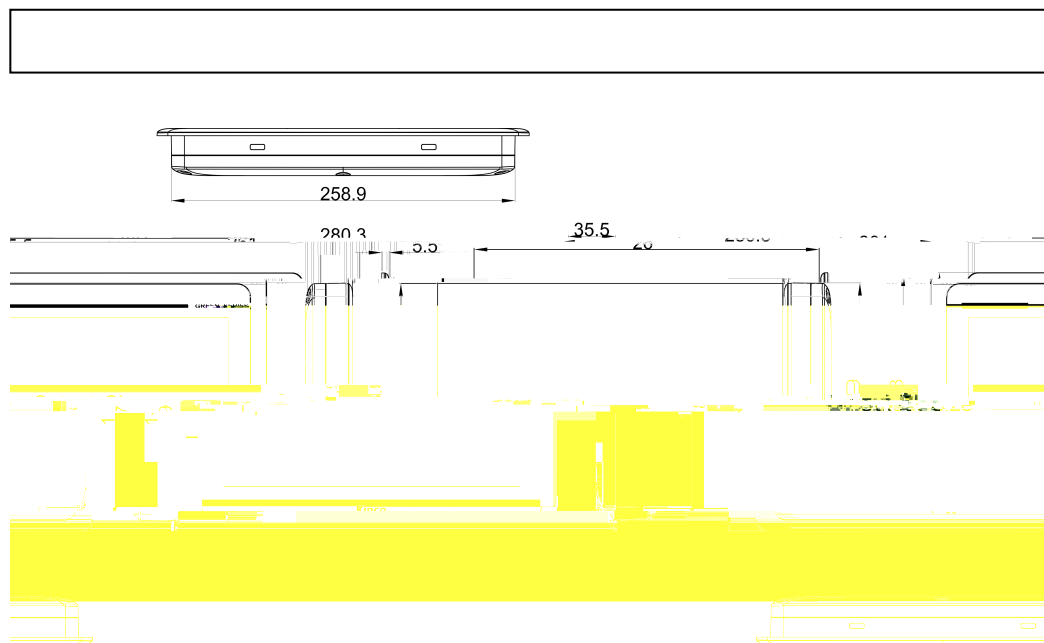
Input voltage: DC10V DC28V.

Particularly note that there must be enough distance between this product and converters or switch mode power supply. Make sure that the input and output cables of that kind equipment are shield cable and the shielding network is connected with the ground.

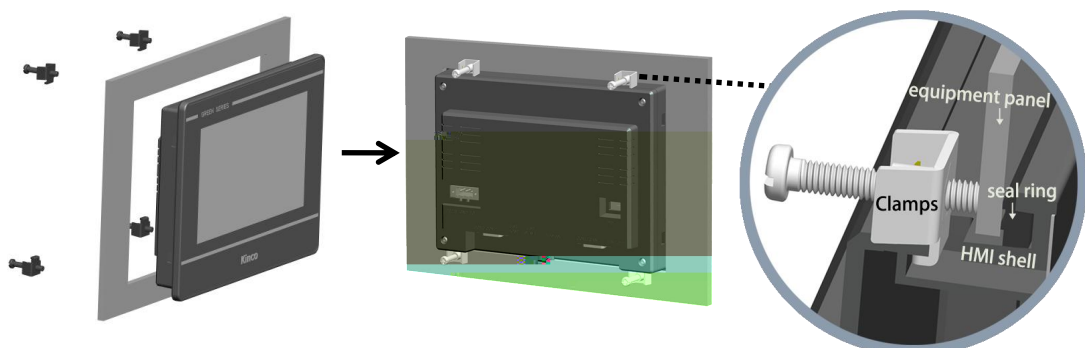
Make sure that the DC power and AC power is isolated.

Do not use common power with perceptual load or input circuit of the controller.

An Internal fuse will prevent damage for over voltage condition, however it isn't guaranteed the internal electronic components are not damaged.



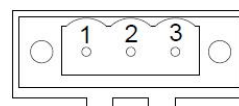
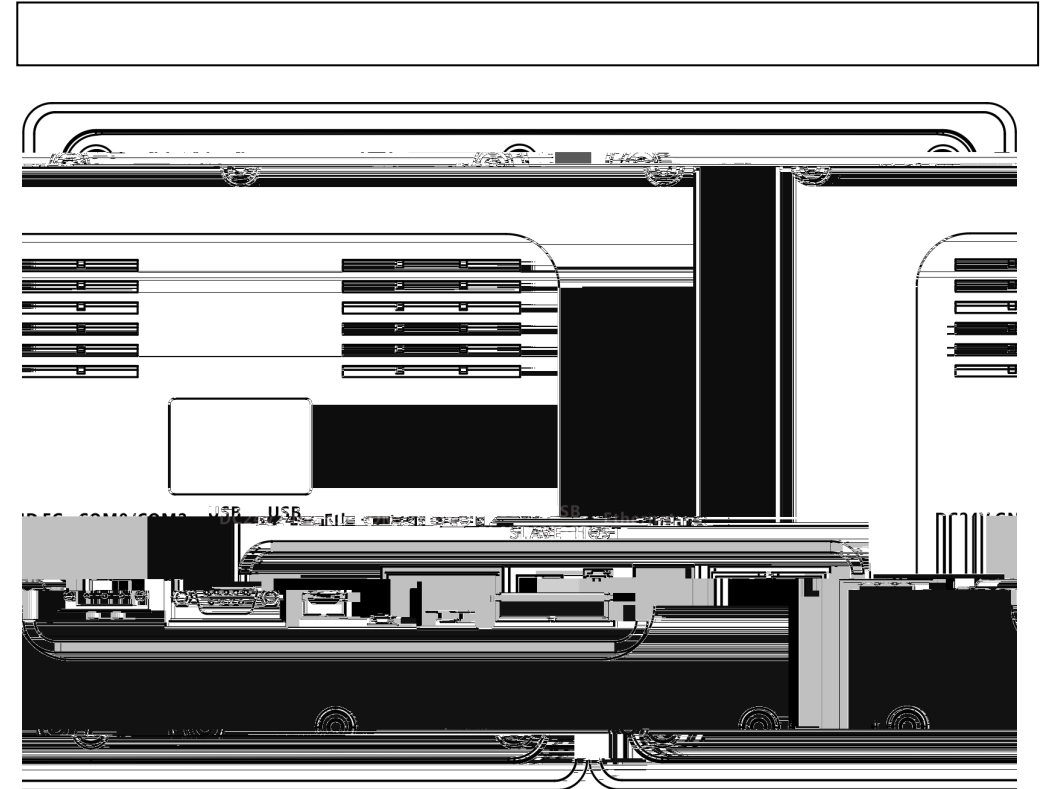
The product is put into the well mounted hole of the machine control box's panel, and the mounting screws are inserted into the fixing holes around the HMI shell from the back of the control box's panel. Recommended lock torque: 0.5N.m (to waterproof effect and avoid shell deformation)



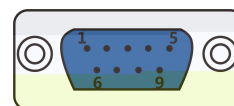
Before connecting the power, please make sure all local and national electrical standards are met. For power cables, please select cables with their dielectric strength values and current values in compliance with the safety specifications.

First find the power terminal at the back of the product and loosen the screw according to counterclockwise, then insert the power cables and tighten the screw up.

Connect positive DC line to the 'DC24V' terminal, the DC ground to the 'GND' terminal and the ground line to the 'FG' terminal.



Pin#	Signal
1	DC24V
2	GND
3	FG



Pin assignment of the 9-pin male, D-SUB, COM0/COM2. RS232/485/422 communication functions are supported by COM0.COM2 supports RS232 communication function.

Pin	Signal	PLC COM0 [RS-422]	PLC COM0 [RS-485]	PLC COM0 [RS-232]	PC/PLC COM2 [RS-232]
1	Rx- B	RS422 R-	RS485 B		
2	RxD_PLC			RS232 RxD	
3	TxD_PLC			RS232 TxD	
4	Tx-	RS422 T-			
5	GND	Signal ground			
6	Rx+(A)	RS422 R+	RS485 A		
7	RxD_PC				RS232 RxD
8	TxD_PC				RS232 TxD
9	Tx+	RS422 T+			

The interface type is MicroUSB

USB Slave port can be connected with a PC
The port is only used to download user configuration program to the HMI and to set HMI system parameters.

Connect with USB interface devices or U disks
This interface can be connected with USB keyboard, mouse and printers, and the U disk can be used for user's configuration uploading/ downloading as well as data storage.

10M/100M adaptive Ethernet RJ45 port.

With CAT5 UTP cable connected to the Ethernet device.
The port can be used for upload/download of HMI configuration, setting of system parameters and online simulations of configurations. It can connect multiple HMIs via the Ethernet to form an HMI network. Furthermore, it can implement communications between HMI and PLC via the Ethernet, as well as communications with a PC via the Ethernet port.

For < Service Terms and Conditions for HMI >, please check: <http://www.kinco.cn>