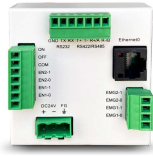


Installation Instruction



Kinco Electric (Shenzhen) Ltd.

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1. Installation Note

1.1 Environmental Requirement

Operating temperature: SZ10-BOX-V001 HMI can work stably in most industrial environments that the temperature between $-4^{\circ}\text{F} \sim 158^{\circ}\text{F}$ ($-20 \sim 70^{\circ}\text{C}$).

NEMA rating: This Series HMI front panel is NEMA 1 rated.

Please do not use in the following places:

- 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

Please take shielding measures in the following places:

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

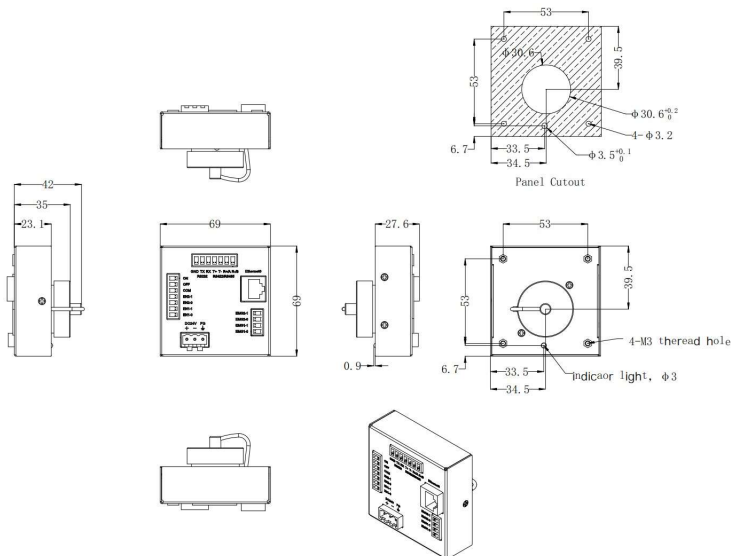
1.2 Power Requirement

- Input voltage: DC18 V ~ 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.

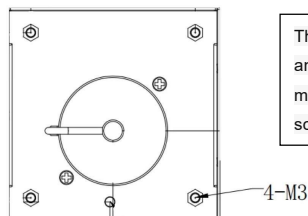
Note: An Internal fuse will prevent damage for over voltage condition, however it isn't guaranteed the internal electronic components are not damaged.

2. Installation Description

2.1 Dimensional Drawing



2.2 Fixed Screw Installation Instructions



There are 4-M3 threaded holes on the back of the product, and the pitch is 53*53mm. Align the holes of the sheet metal part with the threaded holes, screw in the M3 size screws, and fix on the sheet metal parts.

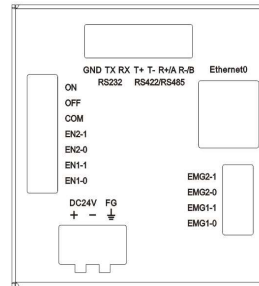
2.3 Power Connection

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 'DC24V-' terminal and the ground line to the 'FG' terminal.

3. External Interface



Aerospace Plug Interface	7PIN Interface	4PIN Interface	3PIN Interface	7PIN Interface	Ethernet0	Description of the function
1				RS232 GND		Serial Communication GND
2				RS232 TX		COM2_232_TX
7				RS232 RX		COM2_232_RX
17				RS422 T+		COM0_422_TX+
23				RS422 T-		COM0_422_TX-
3				RS422/RS485 R+/A		COM0_422_RX+/COM0_485_A
4				RS422/RS485 R-/B		COM0_422_RX-/COM0_485_B
6	ON					Key Switches
5	OFF					Key Switches
13	COM					Key Switches (Public end)
12	EN2-1					Enable Switch2 (Normally open)
11	EN2-0					
10	EN1-1					Enable Switch1 (Normally open)
16	EN1-0					
8					6	Ethernet 10M/100M Adaptive
9					3	
14					2	
15					1	
20	EMG2-1					Emergency Switch2 (Normally closed)
19	EMG2-0					
24	EMG1-1					Emergency Switch1 (Normally closed)
18	EMG1-0					
21			DC24V+			24V DCP positive end
22			DC24V-			24V DCP negative end
Shielding			FG			Device enclosure protective ground

4. After-sales Service

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