

TG465-MT(P)/UT(P)/ET(P)

Fast reference manual

【Basic introduction】

<1> Type

--MT: normal 16 million colors; UT: has USB-A port; ET: has USB-A port, Ethernet port;

(P): oil resistant

<2> Version requirements

-- Software version: TG465 is fit for software version 2.D.3f and higher.

-- Hardware version: -MT/UT is fit for v3.0 and higher version.

【Using method】

<1> Do not use under the following environment

--Wet and condensation

--Corrosive gases and dust

--Chemical and conducting liquid

<2> Layout

--Away from high voltage and current object

--Correct polarity and voltage of the power supply

--Correct connection of the communication cable

<3> Cleaness

--The product cover will be corroded by strong acid, alkali, organic solution

【Characteristics】

Input voltage: DC22-26V

Consumption current: 140mA

Voltage endurance: AC1000V, 10mA, less than 1 minute (between signal and ground)

Operation temperature: 0~50℃

Storage temperature: -20~60℃

Ambient humidity: 10~90%RH (no condensation)

Anti-jamming: voltage noise 1500Vp-p, pulse width 1us, 1 minute

Protection level: front cover accords with IP65

【Function】

Resolution: 480×272 pixels

LCD: 4.3 inches

Display: TFT true color 16 million colors

Memory: 64MB

Software: Edit in Touchwin software, support bmp, jpeg format pictures

Button: touch mode

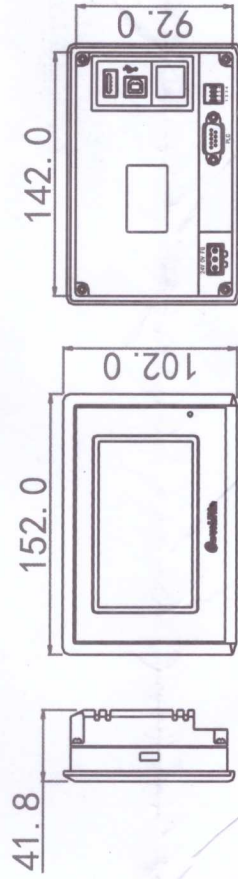
Communication: can communicate with most PLCs in the market, such as Siemens, Mitsubishi, support frequency inverters and meters.

COM port: USB-A, USB-B, COM2(RS232/485/422), RJ45.

Special function: data backup (CSV file export and import), self-defined flash, X/Y trend map

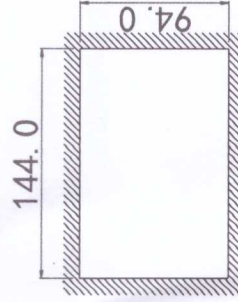
【Installation】

<1> Dimension (unit: mm)



<2> Mounting dimension (unit: mm)

This mounting dimension is for your reference only.



<3> Fix the product

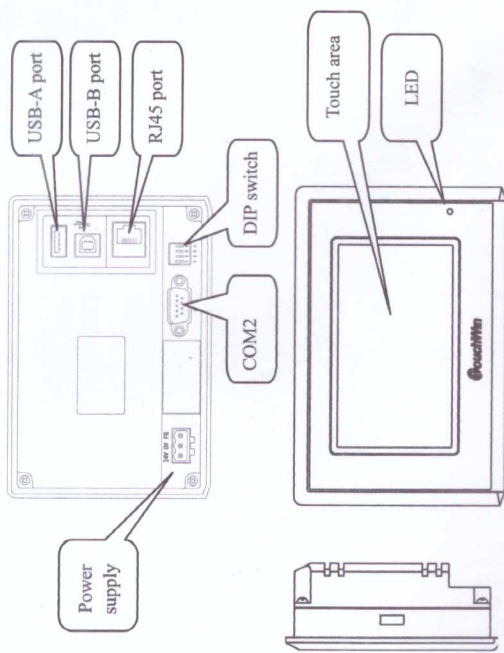
--insert the product into mounting hole.

--insert the frame into the mounting hole then tighten the screw.

Note: --the tighten strength should be moderate.

--the screw should be vertical with the mounting panel.

【Part description】



Notes: -- USB-A port is used to connect U disk, export and import data.

-- USB-B port is used to download program.

-- RJ45 port is for Ethernet communication.

【DIP Switch】

switch	1	2	3	4	Function
state	ON	OFF	OFF	OFF	Undefined
	OFF	ON	OFF	OFF	Force download via USB-B port
	OFF	OFF	ON	OFF	system menu: time, touch calibration
	OFF	OFF	OFF	ON	Internal checking mode(not open for users)

【COM port pins definition】

P in	Name	P in	Name
1	TD+	6	TD-
2	RXD	7	B
3	TXD	8	RD-
4	A	9	RD+
5	GND		

COM2 pin definition

【Download the program】

Download program via USB-B port and USB cable.

Pin	Name	Description
1	+5V	+5V voltage signal
2	DATA-	Data - signal
3	DATA+	Data + signal
4	GND	Signal ground


【Communication function】

--COM2 has communication functions; can connect to various devices, such as PLC, inverters.

【Making a project】

Making a project includes the following steps:


<1> **Build a new project**

Open the Touchwin software, click “”, select the PLC type

<2> **Edit the project**

Please refer to Touchwin user manual.

<3> **Download the project**

Connect the download cable correctly, click “” to finish download.

<4> **PLC communication**

Connect the cable to the PLC, then it can exchange data with PLC.

Note: --For detailed information, please refer to the user manual.

--You can use Xinjie cable or make the cable according to the cable diagram.