

7" Open-frame HMI

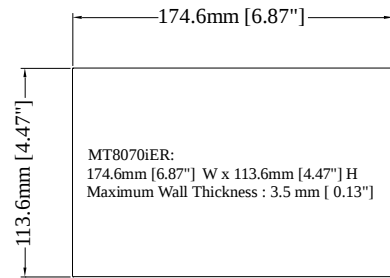
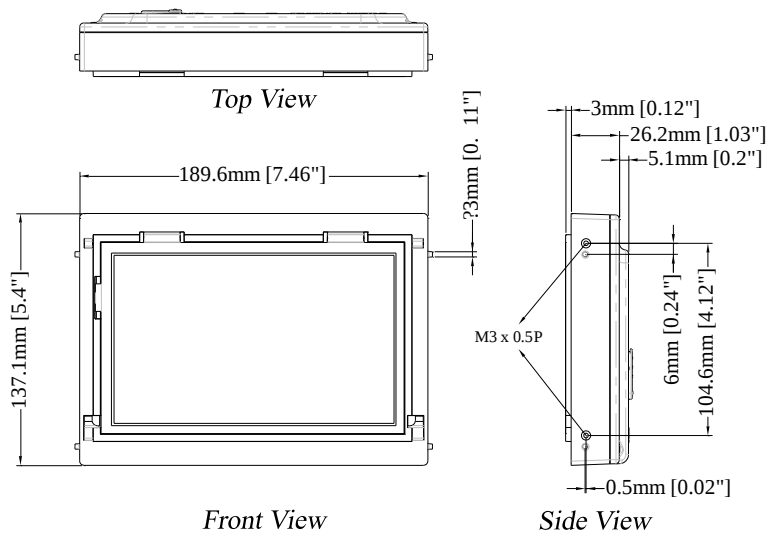


◆ Features

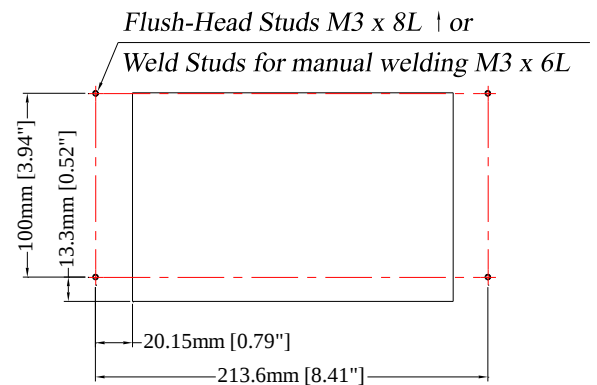
- 7" 800x480 TFT LCD, LED Backlight
- The front surface flush with the control box.
- No dirt-collecting edges and corners, very easy to clean.
- Selectable mounting holes that match different panel thicknesses.
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Com1 / Com3 RS485 dual isolation design ensures reliable operation in complex grounding application.
- Fanless cooling system
- COM1 and COM3 [RS485]2W support MPI

Display	Display	7" TFT
	Resolution	800 x 480
	Brightness	350 cd/m ²
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hr.
	Display Colors	16M
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32Bit RISC Cortex A8 600MHz
I/O Port	USB Host	USB 2.0 x 1
	Ethernet	1 RJ45 port (10/100 Base-T)
	COM Port	Com1: RS232 / RS485 2w/4w, Com3: RS485 2w
RTC		Built-in
Power	Input Power	24±20% VDC
	Power Consumption	350mA @ 24VDC
	Voltage Resistance	500VAC (1 min)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Plastic
	Dimensions WxHxD	189.6 x 137.1 x 34.3 mm
	Panel Cutout	174.6 mm x 113.6 mm
	Panel Thickness	1.5 mm [0.06"] ~ 3.5 mm [0.13"]
	Weight	Approx. 520 g
Environment	Protection Structure	NEMA4 / IP65*
	Storage Temperature	-20°~60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% @ 40°C (non-condensing)
	PCB Coating	Yes
Certificate	CE	CE marked
Software		EasyBuilder Pro V3.00.01 or later versions

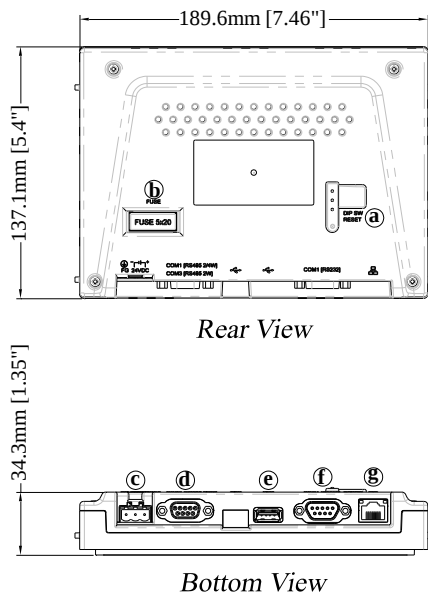
***Note:** Protection Structure IP65 can be expected if you affix the Overlay on the screen of the unit and the surroundings. Weintek does not guarantee the protective structure.
IP65: Dust tight, protected against water jets.



**Cutout Dimensions
Front View**



**Cutout Dimensions
Rear View**



a	DIP SW & Reset Button	e	USB Host Port
b	Fuse	f	Com1 RS232
c	Power Connector	g	Ethernet Port
d	Com1 RS485 2w/4w, Com3 RS-485 2w	h	

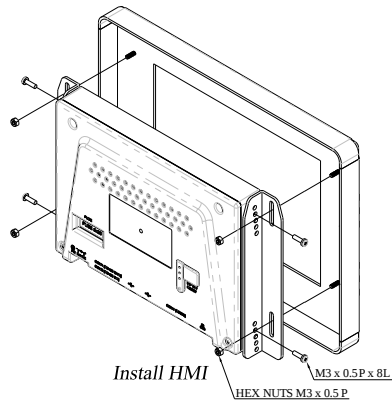
Pin Assignment: COM1 [RS232] 9 Pin, Male, D-sub

PIN#	Symbol	COM1 [RS232]
1	Not used	
2	RxD	Received Data
3	TxD	Transmitted Data
4	Not used	
5	GND	Signal Ground
6	Not used	
7	RTS	Ready to send output
8	CTS	Clear to send input
9	Not used	

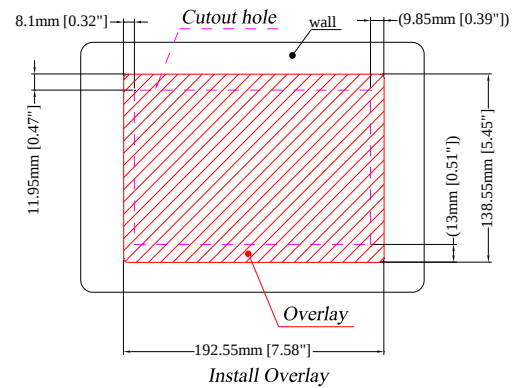
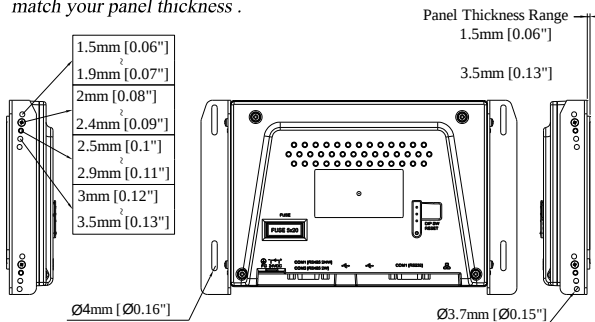
COM1 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	Symbol	COM1 [RS485]		COM3 [RS485]
		2W	4W	
1	Rx-	Data-	Rx-	
2	Rx+	Data+	Rx+	
3	Tx-		Tx-	
4	Tx+		Tx+	
5	GND	GND		
6	Not used			
7	Data-			Data-
8	Data+			Data+
9	GND			GND

Installation



Choose the mounting holes that match your panel thickness .



1. Around the cutout on the control cabinet, draw the reference lines for positioning the overlay (optional).
2. Select the mounting holes according to the wall thickness of control cabinet and secure the mounting brackets onto both sides of the HMI unit.
3. Secure the HMI to the cabinet by four studs.
4. Affix the overlay (optional) to the cabinet front surface.