



MMI8050

4.3" Color Graphic Display Panel and Touch Screen

- 4.3" 480x272 TFT LCD
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- LED Back Light
- One Ethernet port
- Power Isolator Inside
- Com1 RS485 support MPI 187.5K

Introduction

MMI8050 series is part of the the new MMI8000 Series from KEP. Based on the design concept of meeting customers' satisfaction with easy-to-use attributes. The MMI8050 not only performs as a Human Machine Interface but also plays the role of a data exchange center. The MMI8050 is the best choice for meeting tomorrow's requirements today. The MMI8050 includes an Ethernet port.

General Specifications

- Construction: plastic molding housing
- Display: 4.3" 65,536 color TFT LCD
- CPU and core logic: 32Bit RISC 400MHz processor
- DRAM: 64 MB DDR2 on board
- Storage: 128 MB flash memory on board, Recipe memory save in flash memory, RW 64Kword, RW_A 64Kword. (User project size: 16MB, Data and Event log size: 48MB)
- I/O: 1 serial port: Com1: RS-232/RS-485 2w/4w, Com3: RS-485 2w, 1 Ethernet port
- RTC: N/A
- Power input: 24±20%VDC,250mA@24VDC
- Dimension (W x H x D): 128 x 102 x 38mm
- Weight: 0.3kg
- Software: EB8000 V4.2.0 or later

Touchscreen

- Type: 4-wire, analog resistive
- Resolution: continuous
- Light transmission: above 80%
- Life: 1 million activation minimum

Display

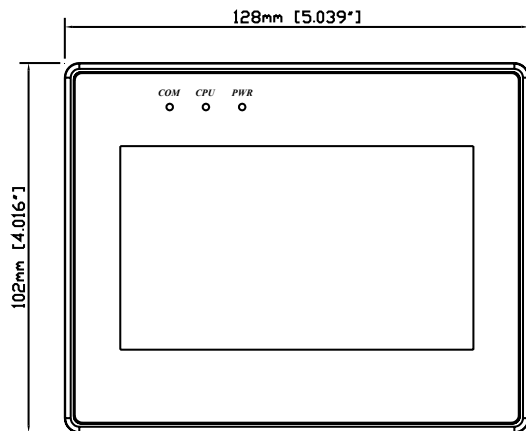
Display type	TFT LCD
Display size (diagonal)	4.3"
Max colors	65536
Resolution	480 x 272
Pixel pitch (HxV, mm)	0.198 x 0.198
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m2)	500
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	600:1

Environmental Specifications

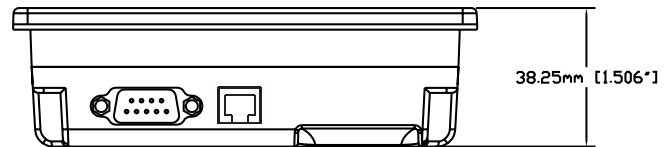
- Operating temperature: 0° ~ 45°C (32° ~ 113°F)
- Storage temperature: -20° ~ 60°C (-4° ~ 140°F)
- Relative humidity: 10% ~ 90% @ 40°C, non-condensing
- Shock (operation): 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- EMI: Complies with FCC class A
- CE: EN 55022: 2006, Class A. EN 61000-3-2: 2006. EN 61000-3-3: 1995+ A1: 2001+A2: 2005
- Front panel meets NEMA4 / IP65

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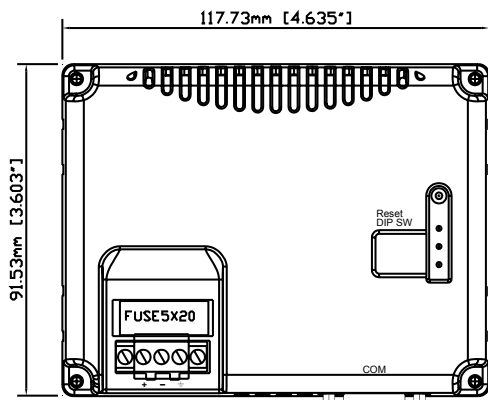
Installation Guide **Dimensions are in mm (inches)**



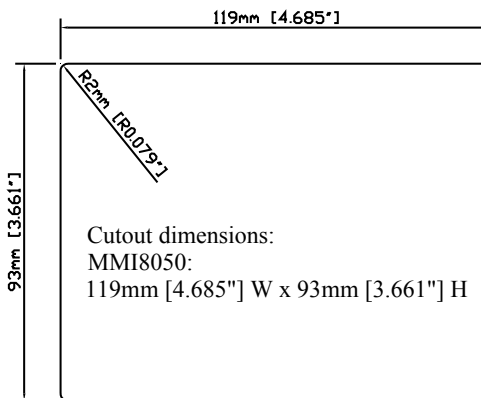
Front View



Bottom View



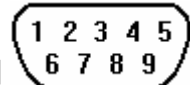
Rear View



Cutout dimensions:
MMI8050:
119mm [4.685"] W x 93mm [3.661"] H

Pin Designations

Pin assignment of the 9 Pin, Male, SUB-D
Com1[RS-232], Com1[RS-485 2w/4w], Com3[RS-485]



Pin#	Com1[RS485]		Com1[RS232]	Com3[RS485]
	4 wire	2 wire		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	Tx+			
5	Signal Ground (GND)			
6			Transmit(TxD)	
7				Data-
8				Data+
9			Receive(RxD)	



Kessler-Ellis Products

10 Industrial Way East, Eatontown, NJ 07724

Toll Free: 800-631-2165 • Phone: 732-935-1320 • Fax: 732-935-9344

www.kep.com

Ordering Information

Part Number	Description
MMI8050	Graphic Interface with 4.3" Color LCD display and Touchscreen with 128MB flash memory/64MB DDR2 RAM on board. Setup software for programming included