New Product: FP4030MT with I/O

3" Monochrome Touch Screen HMI/PLC

- 8 Digital Inputs, 6 Relay Outputs, 2 Transistor Outputs

- Optional - Two Universal 16 Bit Analog Inputs (4-20 ma, 0-20 ma, 0-5 vdc, 0-10 vdc, RTD, J or K Thermocouple) and One 12 Bit Analog Output (0-10 vdc or 4-20 ma)

- Up to 4 of the digital inputs can be configured as high speed inputs (100 khz per input) either as single channel or in quadrature

- The two transistor outputs can be configured for either PWM or stepper motion control. (100 khz per output)

- Analog IO, Digital IO and DC Power are Isolated from each other and from the logic section

- Common tag data base for HMI and PLC functions

- Program the PLC in ladder or IEC 61131

- Powerful advanced commands like PID, Moving Average, Subroutines, FOR/NEXT loops, and much more

- UL Class 1 Div 2 listed, CE certified

- One Application Development Program, FlexiSoft, for all products and it's…FREE!!

- 3" Touch Screen HMI with Multicolor Backlight

- 7 Different Backlight Combinations. The PLC can be used to select the one you want!

- 2 Serial Ports - (1) RS232 and (1) RS485 (2 wire or 4 wire). .

- Full suite of communications drivers including AB DF1, Modbus RTU (master and slave), Idec, Mitsubishi, Panasonic and many more.

- Powerful Universal Serial Driver (ASCII) can be used to communicate with bar code readers, motion controllers, and check weighers.

- 312 kbytes of HMI program memory and 152 kbytes of PLC memory

- Real Time Clock, Recipes, Bar Graphs, Word Buttons and Lamps, Bitmap Graphics, and Recipes

- Alarms (Real Time and Historical)

- Unicode Font Support. Up to 9 languages can reside in the unit.

RENU ELECTRONICS PVT. LTD.

Specifications

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Power	+ 24V DC ±15%, 10 W Max
Enclosure	IP66 rated Touch Screen
Operating Temperature	0° to 50^oC
Storage Temperature	-20° to 80^oC
Humidity	10% to 85% (Non condensing)
Serial Ports	Two serial ports (1-RS232 and 1- RS422 / RS485
USB Device Port	Programming & Monitoring Port
Type of LCD	RGB Multicolor Backlight
Isolation	Isolation between communication and power ports is 500 VDC
Immunity to ESD	Per IEC61000-4-2
Immunity to Fast Transients	Per IEC61000-4-4
Immunity to Radiated EMF	Per IEC61000-4-3
Immunity to Conducted Disturbances	Per IEC61000-4-6
Surge	Per IEC61000-4-5
Radiated Emission	Per EN56011

Models

Product	Display	LCD Life at 25°C	Memory	PLC Steps	Screen Memory	Local I/O				Serial Ports	USB	RTC	Power Consumption	Weight (Approx.)	Bezel Dimensions	Panel
						Digital I/P's	Digital O/P's	Analog I/P's	Analog O/P's							
FP4030MT-L0808RP-A0201	128x64 3" Multicolor Backlight	30000 hrs	1 MB	24 k	312 KB	8 DC (Bidirectional)	6 Relays 2A 2 PNP 0.3A	2 Universal	1	1	Device	Yes	10W	300 gms.	109 W x 71 H x 53 D (Drawing A)	99 W x 63 H
FP4030MT-L0808RN-A0201	128x64 3" Multicolor Backlight	30000 hrs	1 MB	24 k	312 KB	8 DC (Bidirectional)	6 Relays 2A 2 NPN 0.3A	2 Universal	1	1	Device	Yes	10W	300 gms.	109 W x 71 H x 53 D (Drawing A)	99 W x 63 H
FP4030MT-L0808RP	128x64 3" Multicolor Backlight	30000 hrs	1 MB	24 k	312 KB	8 DC (Bidirectional)	6 Relays 2A 2 PNP 0.3A	NA	NA	1	Device	Yes	10W	300 gms.	109 W x 71 H x 53 D (Drawing B)	99 W x 63 H
FP4030MT-L0808RN	128x64 3" Multicolor Backlight	30000 hrs	1 MB	24 k	312 KB	8 DC (Bidirectional)	6 Relays 2A 2 NPN 0.3A	NA	NA	1	Device	Yes	10W	300 gms.	109 W x 71 H x 53 D (Drawing B)	99 W x 63 H

Dimensions

All dimensions are in mm.
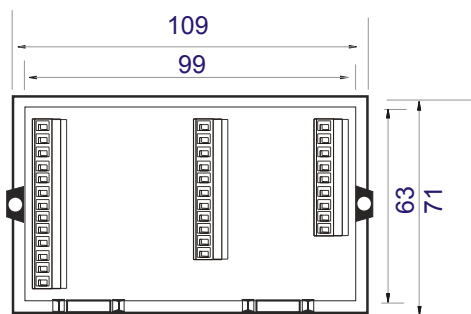
Drawing A
Depth including power connector
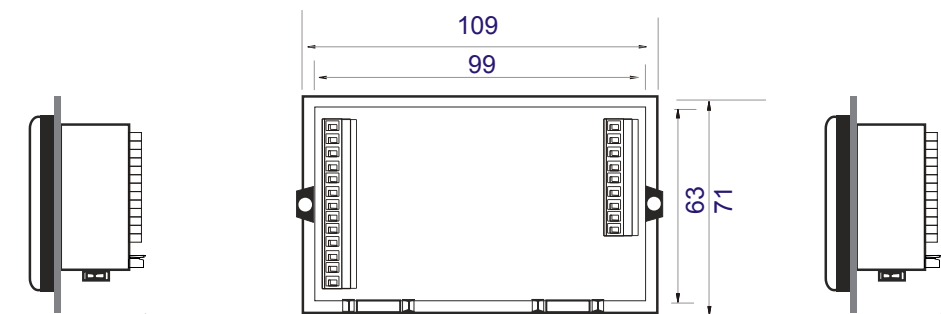
Drawing B
Depth including power connector