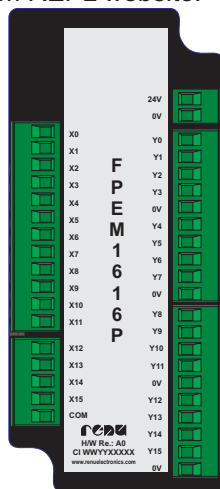


Models:
FPEM1616P
FlexiPanels FP3 series expansion models

INSTRUCTION SHEET

Thank you for purchasing FlexiPanels series analog expansion model FPEM1616P. Please read the instruction sheet and thoroughly familiarize yourself with the functions and characteristics of the products before use.

For more information, please refer user manual which will be available in FlexiSoft software help and/or you can download from REPL website.



Specifications:

Power Supply: 24 VDC +/-15%, 12V from base
 Voltage Rating: Input/ Channel: 5mA, 24VDC
 Power Rating: Output/ Channel: 250mA @ 24VDC

Approvals: CE, UL

Digital Inputs: 16 Inputs Bi-directional Type
 (Within which 2 pairs are high speed)
 Input Design: According to EN 61131-2 Type 1
 Min. ON Voltage: 15 VDC
 Max. ON Voltage: 30 VDC
 Min.OFF Voltage: -3VDC
 Max. OFF Voltage: 5 VDC
 Nominal input voltage: 24 VDC
 Nominal input current: 5mA typical
 Isolation: Optically isolated from internal circuit., High isolation

Input Impedance
 Turn OFF time
 Turn ON time

voltage(BV= 3.7KV)
 3k Ohm
 10msec
 10msec

High Speed Inputs:
 No. of HS inputs:
 Max. i/p frequency:
 Max. i/p count:

2 pairs, X0-X1, X2-X3
 200kHz
 42949672965

Digital Outputs:

16 PNP type transistor output
 (2 PWM o/p)

Min. ON o/p Voltage:
 Max. ON o/p Voltage:
 Min. OFF o/p Voltage:
 Max. OFF o/p Voltage:
 Nominal Output voltage:
 Nominal o/p current
 Isolation

22VDC
 30VDC
 0.2VDC
 1VDC
 30VDC
 300mA Typ./channel
 Optically isolated from internal circuit., High isolation voltage
 (BV = 3.7 KV)
 Yes
 96ohms/6W (resistive) @
 24VDC 6VA (inductive, unity
 power factor)

Short Circuit protection
 Nominal load

High Speed Outputs:
 No. Of HS outputs:
 Max. O/p frequency:
 Frequency step:
 PWM duty cycle:
 Duty cycle step:

2, Y0 and Y1
 1kHz
 1Hz
 0 to100%
 1%

General:

Operating Temperature: 0 to 60°C.
 Storage Temperature: -20 to 85°C.
 Operating Humidity: 10% to 90% (Non condensing)
 Mechanical Dimension: 48mm x 108mm x 41mm
 (W x H x D)

Weight:

****Operating temperature: For UL 0 to 50 °C.**

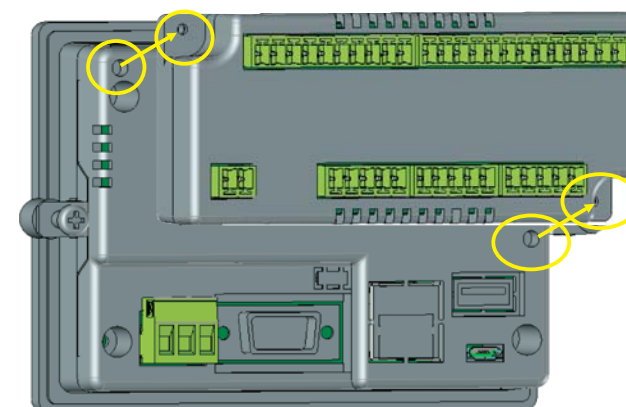
Mounting Details:

Mounting with base models:

With the expansions, while unpacking the unit, user will find 2 screws already attached with base bottom case. Fix the expansion with the HMI as shown below with these screws. Expansion connector will also be fixed with the expansion female connector given on base HMI.

Apply torque 0.1Nm while fixing with base unit.

Mounting with FP3043TN-E and FP3043T-E models:



For 7" and 10.2" HMI models, the procedure of mounting expansions is same. Only instead of horizontal mounting, expansions will mount in vertical directions.

Hence accordingly these base are having facility to add 3 and 5 expansions at a time respectively. Example is shown here.

