

FUTEK MODEL IPM480

Drawing Number: FI1309-B

INCH [mm]

COUNTER DIGITAL DISPLAY

FOR USE W/ TORQUE SENSORS W/ ENCODER TO MEASURE SPEED & ANGLE

AVAILABLE WITH TEDS, USB, RS232 OPTION



FEATURES:

- Channel A Frequency: 0.005 Hz to 1 MHz
- Channel B Frequency: 0.005 Hz to 250 kHz
- 6-digit resolution at update rates up to 25/s
- Isolated selectable excitation to power sensors
5 VDC @ 50 mA max. (default),
10 VDC @ 120 mA max., 24 VDC @ 40 mA max.
- Selectable jumper settings for expected signal levels from sensor
- Peak hold and remote auto tare
- Plug-in screw terminal
- WEIGHT: 9 Oz [0.25 Kg]
- Worldwide input power: 85 to 264 VAC

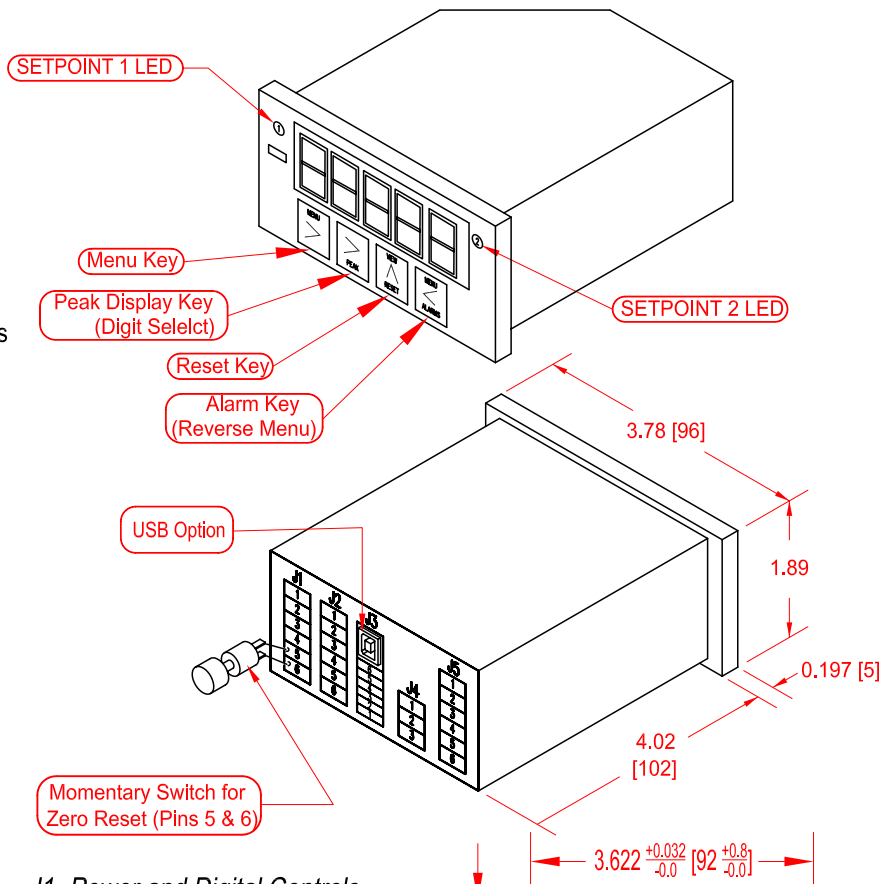
ENVIRONMENT:

- Operating Temperature: 32°F to 130°F [0°C to 55°C]
- Storage Temperature: -100°F to 180°F [-73°C to 82°C]
- Relative Humidity: 95% at 100°F [38°C]

OPTIONS:

- Isolated linearized analog outputs:
0 to 10 Vdc or 4 to 20 mA
- Dual setpoint controller (Alarm)
w/ 2 Form C contact relays: 10 Amp Max
- RS232 Baud rates from 300 to 19,200
- TEDS IEEE1451.4, USB 2.0, RS232 (Combined)
TEDS supports template 30,31,33 & Dallas Chip DS2433.

Stock #	Analog Alarms/ Output	TEDS/USB Relays	TEDS/USB RS232
FSH03283			
FSH03291	X	X	X



J1- Power and Digital Controls

AC HI	1
AC LO	2
EARTH GROUND	3
(DIGITAL INPUT B)	4
(DIGITAL INPUT A)	5
DIGITAL GROUND	6

J2- Dual Setpoint Controller Relay Outputs (Alarm)

ALARM 1-N/O CONTACT	1
ALARM 1-N/C CONTACT	2
ALARM 1-COMMON	3
ALARM 2-N/O CONTACT	4
ALARM 2-N/C CONTACT	5
ALARM 2-COMMON	6

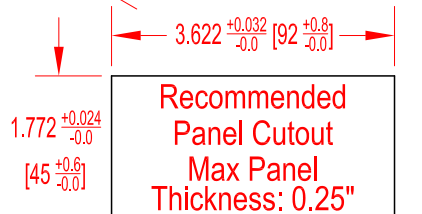
*FOR SERIAL # 0-227233

J3- Digital Interface (TEDS, RS232/USB OPTION)

TEDS DATA	6
TEDS GROUND	5
ISOLATED GROUND	4
RTS	3
RX	2
TX	1

J4- Analog Output

0 TO 20 MA OUTPUT	1
0 TO 10 VDC OUTPUT	2
ISOLATED GROUND	3



**Recommended Panel Cutout
Max Panel Thickness: 0.25"**

J5- Dual Channel Pulse Input

GROUND	1
POWER	2
SIGNAL INPUT B	3
SIGNAL INPUT GROUND	4
SIGNAL INPUT A	5
SIGNAL INPUT GROUND	6

Default Settings (speed/angle)

INPUT: rate A only/ total A only OFFST 1: 000000
 SETUP: 000_0 SOURCE: 11_ _
 CONFIG: 0000 AL SET: 00040
 DSPYNO: 01 AN SET: 11
 GATE T: 000.10 AN LO: 000000
 TI OUT: 003.00 AN HI: 010000
 FILTER: 00011 SER 1: 151
 SLOPE: 00 SER 2: 0011
 DEC. PT 1: 111111. SER 3: 00000
 DEC. PT 2: 222222. SER 4: 000
 *SCALE: 1.66667 0.1/ 1.00000 1 CALIB: 00000

*Note: To enter the second value in the SCALE menu (which is the the scale multiplier), press the right arrow until it reaches the end. Press it one more time for the scale multiplier.