

# FUTEK MODEL IPM490

Drawing Number: FI1234-B

INCH [mm]

# SIGNAL CONDITIONED DIGITAL DISPLAY

FOR USE W/ ANY VDC OR CURRENT SENSOR

AVAILABLE WITH TEDS, USB, RS232 OPTION



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## FEATURES:

- 60 Conversions per second
- Scaleable to 5 digits.  $\pm 99,999$
- Isolated selectable excitation to power sensors  
 5 VDC @ 50 mA max., 10 VDC @ 120 mA max.,  
 24 VDC @ 40 mA max (default).
- Jumper selected voltage input from sensor:  
 200mV, 2V, 20V, 200V, 660V
- Jumper selected current input from sensor:  
 2mA, 20mA, 200mA, 5A
- 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]

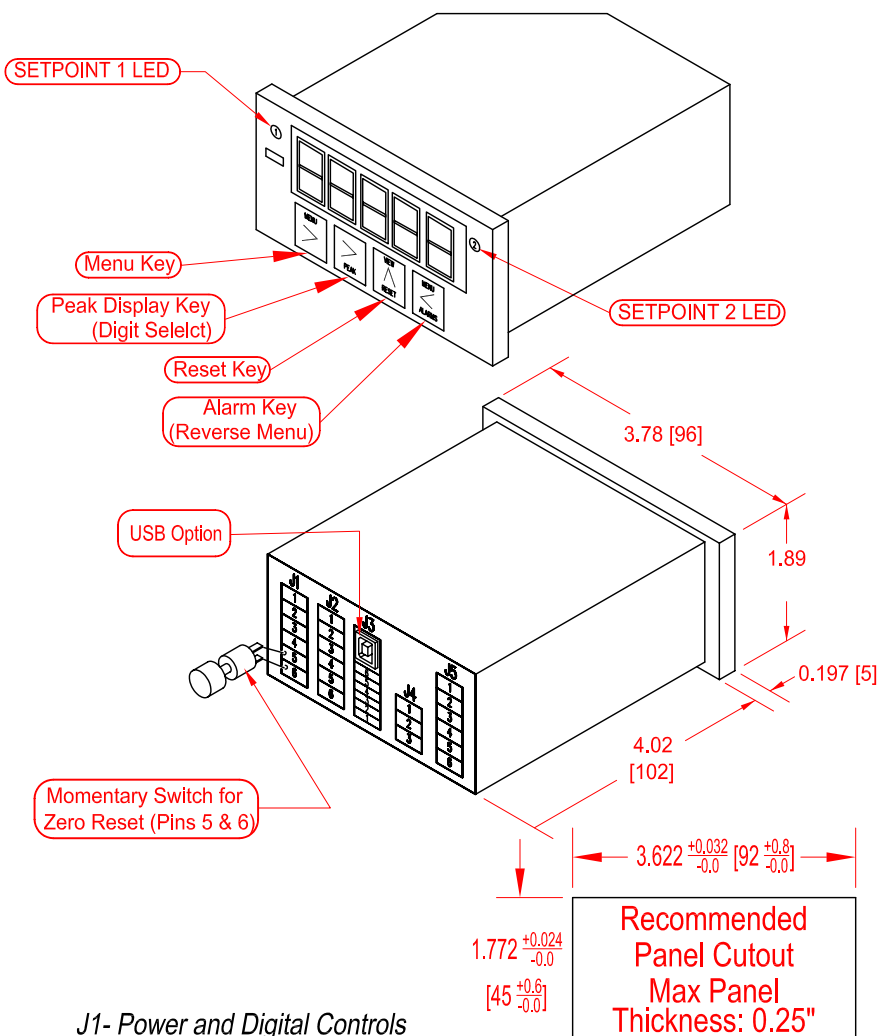
## OPTIONS:

- 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.

## ACCESSORIES:

- FSH02451 - IAC160 Female DB9 TEDS Adapter
- FSH02048 - Data Logging Software (requires RS232/USB)

Stock #	Analog Output	Alarms/ Relays	TEDS/USB/ RS232
FSH01692			
FSH02549	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-COMMON	2
ALARM 1-N/C CONTACT	3
ALARM 2-N/O CONTACT	4
ALARM 2-COMMON	5
ALARM 2-N/C CONTACT	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

### J5- Signal Input

- EXCITATION	1
+ EXCITATION	2
- SIGNAL	3
+ SIGNAL	4

### Default Settings

INPUT: dC V 20.0 Hi Rd: 2000.0  
 SETUP: 00\_15 SER 1: 151  
 CONFIG: 020\_0 SER 2: 0011  
 FILTER: 11100 LOC 1: 00000  
 Lo In: 00.000 LOC 2: 0000  
 Lo Rd: 0000.0 LOC 3: 0000  
 Hi In: 20.000

DECIMAL PNT: } see label on  
 IN HIGH / DISPLAY HIGH } instrument