

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



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]

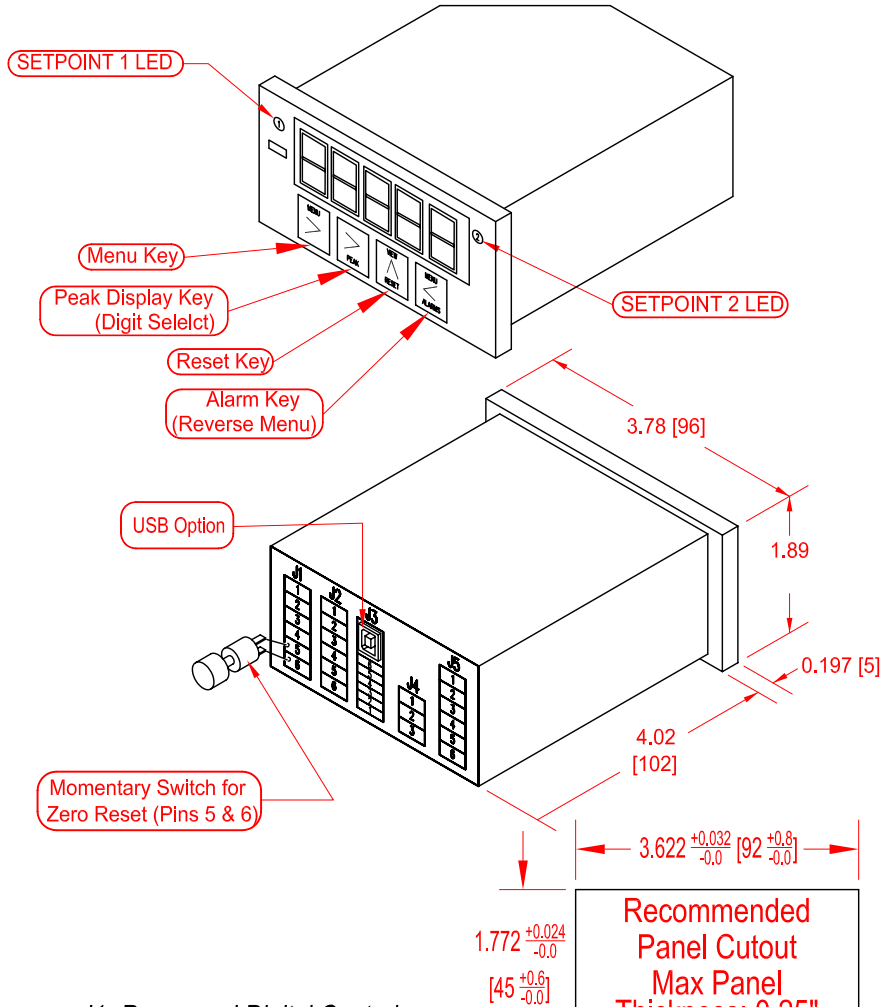
OPTIONS:

- 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 Alarms/ Output Relays	TEDS/USB RS232
FSH01692		
FSH02549	X	X



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

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

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



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