

# PAC-USSEN001-FM-1 Flush Mount Remote Temperature Sensor



Job Name:

System Reference:

Date:



## SPECIFICATIONS

- The Flush Mount Remote Temperature Sensor allows for remote sensing of space temperature up to 100 feet away from a Mitsubishi Electric indoor unit
- Dimensions (Sensor Head)
  - Ø0.74" sensor head x 0.65" length
  - Drywall requires a 1/2" hole to mount
  - Solid Walls require a 3/4" hole to mount
- Operating temperature measurement Range: 41 – 140°F (5 – 60°C)
- Relative Humidity: 0-100%, non-condensing
- Wiring: Uses non-polar control wire for connecting to the CN20 connection terminal on the indoor unit
- 22/2 AWG UL 1007 non-shielded wire
- Once installed, the sensor head is able to be painted

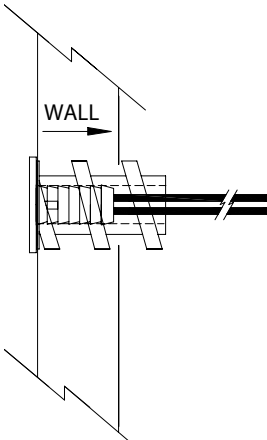
## WHAT'S IN THE BOX

- Flush mount sensor lead with 24 inches of wire
- CN20 connector with noise filter board and 7.5 inches of wire
- Drywall Anchor
- CN20 adapter for PEFY and PFFY units

## REQUIREMENTS

- Compatible Mitsubishi Electric Indoor Unit with CN20 connection.
- Please see compatibility chart for more information.

## MOUNTING DIAGRAM



## THERMISTOR

<Thermistor characteristic graph>

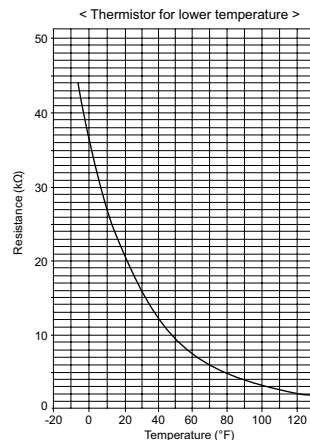
Thermistor for lower temperature

Room temperature detection thermistor (TH21)  
Pipe temperature detection thermistor/liquid (TH22)  
Pipe temperature detection thermistor/gas (TH23)

Thermistor  $R_0 = 15 \text{ k}\Omega \pm 3\%$   
Fixed number of  $B = 3480 \pm 2\%$

$$R_t = 15 \exp \left\{ 3480 \left( \frac{1}{273 + (t - 32)/1.8} - \frac{1}{273} \right) \right\}$$

|       |         |
|-------|---------|
| 30°F  | 15.8 kΩ |
| 50°F  | 9.6 kΩ  |
| 70°F  | 6.0 kΩ  |
| 80°F  | 4.8 kΩ  |
| 90°F  | 3.9 kΩ  |
| 100°F | 3.2 kΩ  |



# Compatibility Chart

| CITY MULTI®            |    |
|------------------------|----|
| PMFY-NMBU              | OK |
| PEFY-NMAU              | OK |
| PEFY-NMHSU             | OK |
| PEFY-NMHU <sup>1</sup> | OK |
| PEFY-NMLU              | OK |
| PEFY-NMSU              | OK |
| PLFY-NAMU              | OK |
| PLFY-NBMU              | OK |
| PLFY-NCMU              | OK |
| PLFY-NEMU              | OK |
| PLFY-NFMU              | OK |
| PLFY-NLMU              | OK |
| PCFY-VKM               | OK |
| PCFY-NGMU              | OK |
| PCFY-NKMU              | OK |
| PFFY-NEMU <sup>1</sup> | OK |
| PFFY-NRMU <sup>1</sup> | OK |
| PVFY-E00               | OK |
| PVFY-NAMU              | OK |
| PKFY-NAMU              | OK |
| PKFY-NFMU              | OK |
| PKFY-NGMU              | OK |
| PKFY-NBMU              | OK |
| PKFY-NHMU              | OK |
| PKFY-NKMU              | OK |

<sup>1</sup> Requires XA to XH Connector

| P-Series |    |
|----------|----|
| PCA      | OK |
| PEA      | OK |
| PEAD     | OK |
| PKA      | OK |
| PLA      | OK |
| PVA      | OK |

| M-Series  |    |
|-----------|----|
| MFZ-KA    | NO |
| MFZ-KJ    | NO |
| MSZ/Y-A   | NO |
| MSZ/Y-D   | NO |
| MS-WA     | NO |
| MSZ-FD    | NO |
| MSZ-FE    | NO |
| MSZ-FS    | NO |
| MSZ-EF    | NO |
| MSZ/Y-GE  | NO |
| MSZ/Y-GL  | NO |
| MSZ/Y-GS  | NO |
| MSZ-FH    | NO |
| MSZ-HE/HM | NO |
| MVZ       | OK |
| SVZ-KP    | OK |
| SEZ-KD    | OK |
| SLZ-KF    | OK |
| MLZ-KP    | NO |
| MLZ-KY    | NO |

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