



Flair Smart Vents



Flair Bridge Pro



Mitsubishi Thermostat Adapter (PAC-US445CN-1)

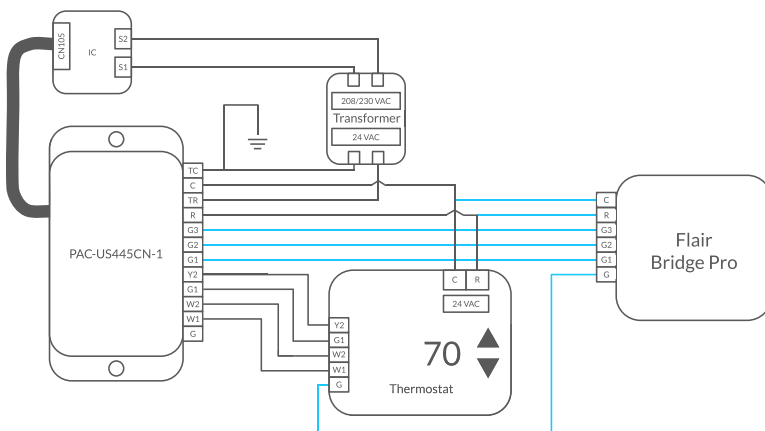
Simple Zoning with Mitsubishi & Flair Smart Vents

FEATURES

- **Low cost, non intrusive, simple to install and efficient zoning solution** by integrating the Mitsubishi PAC-US445CN-1 Thermostat Adapter with the Flair Bridge Pro and Smart Vents.
- Airflow management and device setup through the Flair application.
- Choose from **ten different vent sizes** to meet regional sizing demands.
- Flair Bridge Pro 24 VAC interface and connectivity (Ethernet, Wi-Fi, 915 MHz) deliver room-to-room airflow control, efficiency and convenience. **Premium solutions at affordable prices.**
- Powerful tool to help **Mitsubishi Dealers win more bids.**
- A Mitsubishi-Flair integration enables **multispeed fan control** to deliver more efficient airflow management. Most 24 VAC smart thermostats alone do not fully leverage the value of multispeed fans.

WIRING DIAGRAM

Flair Bridge Pro / Mitsubishi PAC-US445-CN1 Integration



Two Stage Heating and Cooling*

*Review the Mitsubishi PAC-US445CN-1 Installation Guide for any additional setting recommendations.

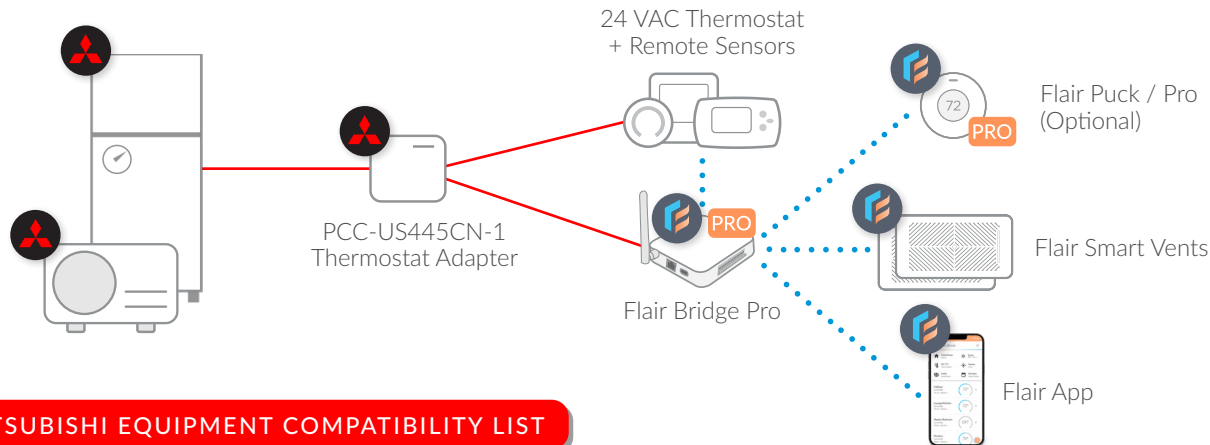
Notes: In this application, a single fan thermostat is wired to the Bridge Pro and the Bridge Pro is being powered by the shared C and R (24 VAC). You could alternatively not use C and R wires and power the Bridge Pro via USB-C.

Terminals:

Connector	Purpose	Purpose
TC	Common (in)	To Transformer
C	Common (out)	To Thermostat
TR	24 VAC (in)	To Transformer
R	24 VAC (out)	To Thermostat
G3	Fan High	High Fan Speed
G2	Fan Medium	Medium Fan Speed
G1	Fan Low	Low Fan Speed
Y2	Y2	Stage 2 Cooling
Y1	Y1	Stage 1 Cooling
W2	W2	Stage 2 Heating
W1	W1	Stage 1 Heating
G	G	Fan

PAC-US445CN-1 INSTALLATION GUIDE

Note: Thermostat has to be set to Conventional mode for optimum operation.



Simple, Affordable, Efficient Room-by-Room Zoning Solution

BENEFITS



Airflow Management

Solve hot/cold room issues and optimize room-to-room airflow for comfort and efficiency.



Increased Efficiency and Comfort

30%+ efficiency gain over non-zoned systems

Easy to install zoning option for homeowners that want enhanced efficiency and comfort, but not the cost or hassle of adding ducting.



Reduced Carbon Emission

More efficient airflow reduces energy consumption and lowers carbon emissions.



Noise Reduction

Running fans at lower speeds with graceful transitions help reduce air handler noise.



Indoor Air Quality

More consistent airflow helps filtering.

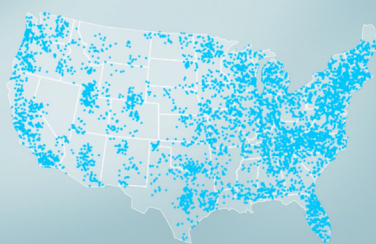


Humidity Management

Low speeds help reduce humidity.

Flair Dealer Only Products

Remote System Access to **avoid truck rolls for maintenance or support**



Proven Platform:

150,000+

Flair devices in market

10,000+

Mitsubishi products on Flair's hvacOS™

RESOURCES



[PAC-US445CN-1 INSTALLATION GUIDE](#)

[EQUIPMENT COMPATIBILITY LIST](#)

[BRIDGE SPEC SHEET](#)

[SMART VENT SPEC SHEET](#)

[PUCK SPEC SHEET](#)