

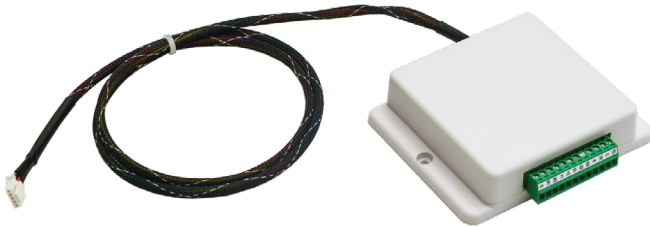
MODEL: PAC-US444CN-1



Job Name:

System Reference:

Date:



SPECIFICATIONS:

- Allows a HVAC Thermostat or I/O Controller to control a Trane®/Mitsubishi Electric CITY MULTI®, Nv-Series or P-Series indoor unit.
- One Thermostat Interface per indoor unit
- Indoor unit modes: Cool, Heat, Fan, and Off
- Provides 3 input terminals to control fan speed control:
 - High
 - Medium
 - Low
- Addressing: No addressing required
- Connection: CN105 - IT Terminal
- Thermostats Tested:
 - Nest®
 - Honeywell®
 - Lyric®
 - INNCOM® with fan speed control
- Dimensions: (H x W x D) 3.96 in x 3.17 in x 0.93 in
- Terminal Block: 20-30 VAC Rated

REQUIREMENTS:

- Compatible Trane®/Mitsubishi Electric indoor unit
 - See compatibility chart on page 3
- This will not work with the PAA intelli-HEAT™ indoor unit
- 24VAC AC Thermostat or I/O Controller (field supplied)
- 24VAC circuit for HVAC Thermostat (field supplied)

ADVANCED FEATURES:

- Delayed Off Adjustable Setting
 - 0, 5 (default), 10, or 30 minutes
- Fan Speed
 - Auto (Default, more efficient than Custom Auto)
 - Medium
 - High
 - Custom Auto (more comfortable than Auto)
- Static Pressure Adjustable Setting
- Set Fan & CN24 operation during Defrost
- Set fan speed in thermal off for heating mode
- INVERTER operation settings:
 - Optimized variable capacity (Preferred)
 - Conventional 2H/2C thermostat
- Auto recovery after power failure

ACCESSORIES:

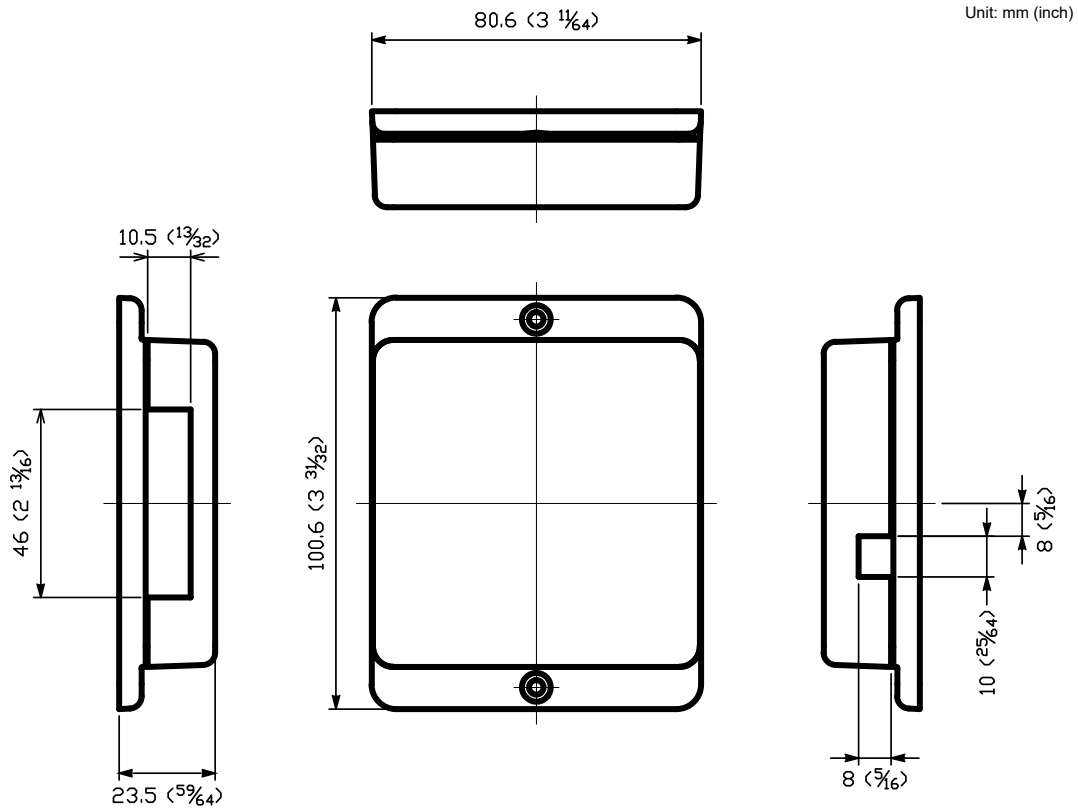
- ☐ Transformer (VPL24-210)

TERMINALS:

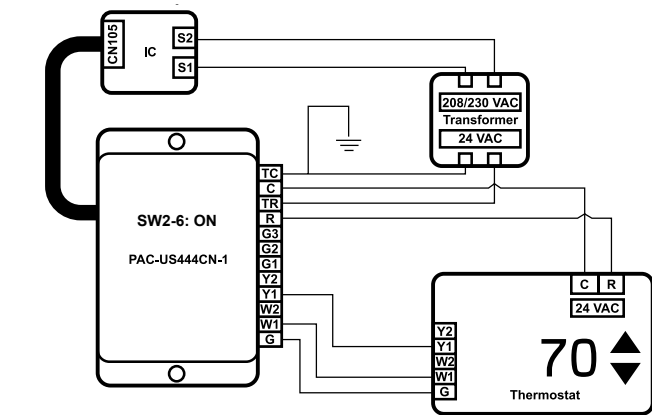
Connector	Purpose	Purpose
TC	Common (In)	To Transformer
C	Common (Out)	To Thermostat
TR	24VAC (In)	To Transformer
R	24VAC (Out)	To Thermostat
G3	Fan High	High Fan Speed
G2	Fan Medium	Medium Fan Speed
G1	Fan Low	Low Fan Speed
Y2	Y2	Stage 2 Cooling
Y1	Y1	Stage 1 Cooling
W2	W2	Stage 2 Heating
W1	W1	Stage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

DIMENSIONS AND WIRING DIAGRAMS: PAC-US444CN-1

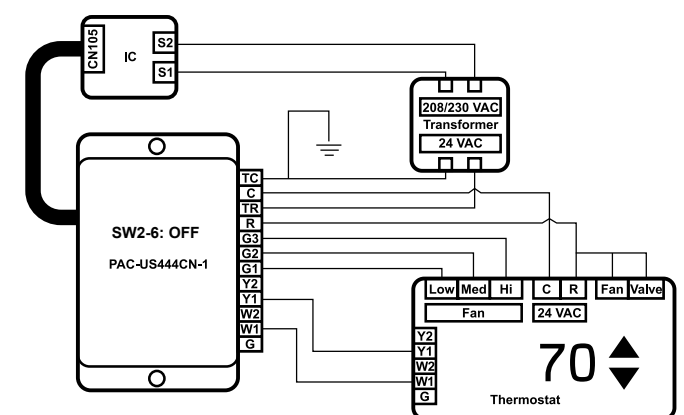
DIMENSIONS:



WIRING DIAGRAMS:



Two-stage Cooling and Heating



Single-stage Cooling and Heating with Dedicated Fan Speed Relays

COMPATIBILITY CHART: PAC-US444CN-1

PAC-US444CN-1 (THERMOSTAT INTERFACE) MUST BE ORDERED SEPARATELY

CITY MULTI®	
TPMFY*BM	OK
TPEFY*MA	OK
TPEFY*MH	ADPT (After April 2012)
TPEFY*MS	ADPT (After June 2012)
TPLFY*EM	OK
TPKFY*LM	NO
TPLFY*FM	OK
TPCFY*KM	ADPT (After June 2012)
TPFFY*CS	ADPT (After April 2012)
TPFFY*RE	ADPT (After April 2012)
TPVFY*AM	OK
TPKFY*BM	ADPT (After April 2012)
TPKFY*HM	ADPT (After May 2012)
TPKFY*KM	ADPT (After June 2012)
TPKFY*LM	ADPT (After June 2012)

Nv-Series	
MSZ-EF	OK
WPH	OK
WST	OK
WMT	OK
WEL	OK
FKS	OK
AMT	OK
DKS	OK
CKS	OK
UKS	OK

P-Series	
TPCA	OK
TPEAD	OK
TPKA	(HA7) OK (KA7) OK (LA) OK
TPLA	OK
TPVA	OK
PAA	(AA1) NO (BA1) NO (CA1) NO

Legend:

OK = Compatible

NO = Not compatible

ADPT = Install IT signal adapter PAC-IT51AD-E or PAC-IT52AD-E for compatibility