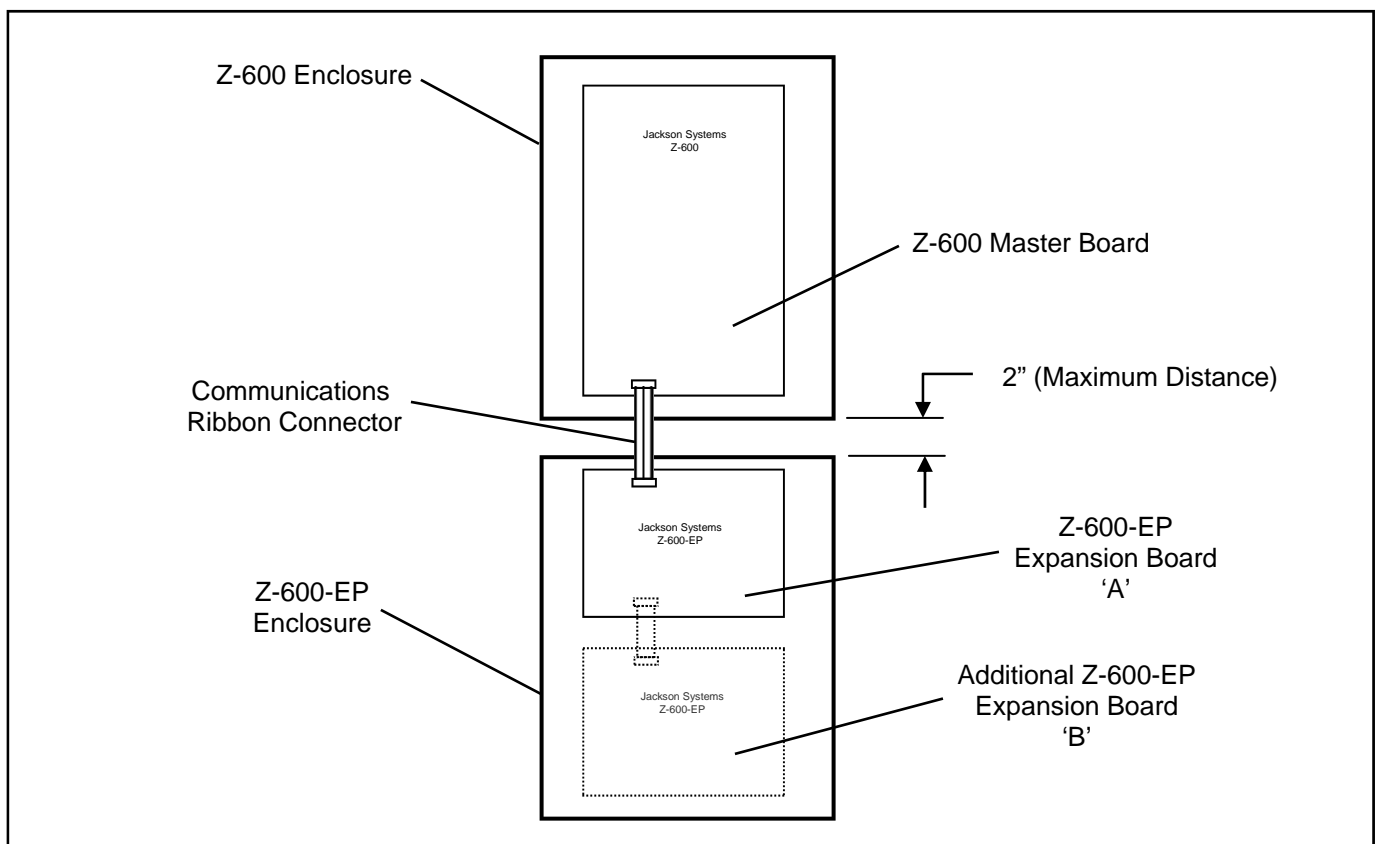# Z-600-EP Three Zone Expansion Panel

INTRODUCTION

The Z-600-EP Expansion Panel is a 3-zone module. It is mounted in its own anodized aluminum enclosure to match the Z-600 Comfort System™ master panel. The Z-600-EP connects to the Z-600 control panel via the included communications ribbon connector. An additional Z-600-EP expansion board can be daisy chained together in the same enclosure to provide an additional 3 zones, for a total of 12.
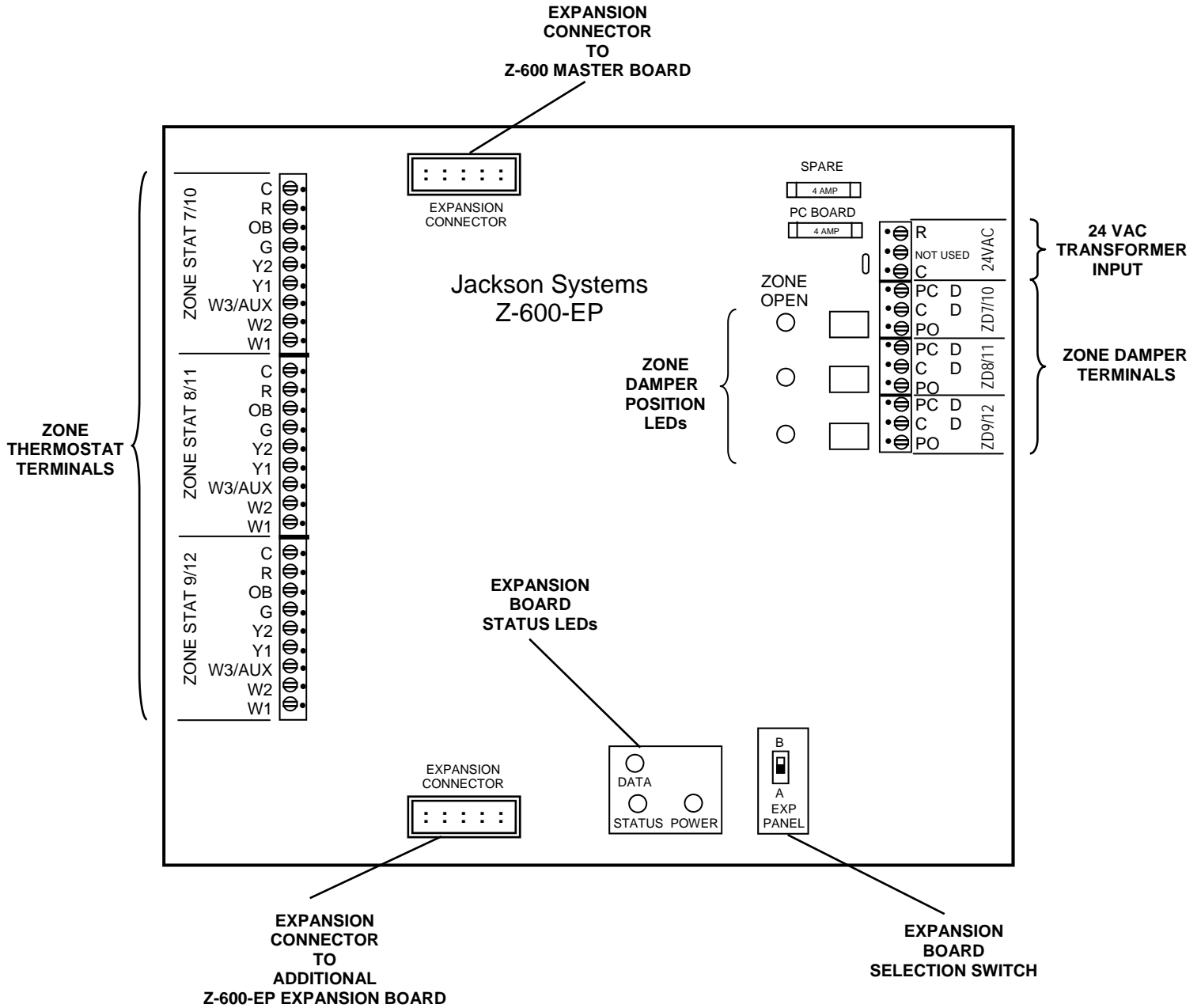
INSTALLATION

1. Turn power off to HVAC unit and control panel during installation to prevent serious injury from electrical shock and/or damage to system.
2. Mount the Z-600-EP expansion panel no more than 2 inches under the Z-600 control panel. This will allow enough room to facilitate wiring and connection of the communications ribbon.
3. Each Z-600-EP expansion panel requires its own 24 volt transformer.
4. Zone dampers and zone thermostats wire the same as on the Z-600 panel.
5. **Never connect or disconnect the communications ribbon connector when there is 24 volt power to the Z-600 or Z-600-EP boards as this can cause permanent damage to the microprocessor.**
6. If one Z-600-EP expansion panel is added to the Z-600, set the Expansion Panel Selector Switch to 'A'.
7. If a second Z-600-EP expansion panel is added, set its Expansion Panel Selector Switch to 'B'.

SEE BACK FOR ADDITIONAL INFORMATION

Z-600-EP Three Zone Expansion Panel

EXPANSION
CONNECTOR
TO
Z-600 MASTER BOARD

SPARE

4 AMP

PC BOARD

4 AMP

EXPANSION
CONNECTOR

Jackson Systems
Z-600-EP

ZONE STAT 7/10
C
R
OB
G
Y2
Y1
W3/AUX
W2
W1

ZONE STAT 8/11
C
R
OB
G
Y2
Y1
W3/AUX
W2
W1

ZONE STAT 9/12
C
R
OB
G
Y2
Y1
W3/AUX
W2
W1

ZONE
THERMOSTAT
TERMINALS

ZONE
OPEN

ZONE
DAMPER
POSITION
LEDs

R
NOT USED
C
PC   D
C   D
PO
PC   D
C   D
PO
PC   D
C   D
PO

24VAC

ZD7/10

ZD8/11

ZD9/12

24 VAC
TRANSFORMER
INPUT

ZONE DAMPER
TERMINALS

EXPANSION
BOARD
STATUS LEDs

EXPANSION
CONNECTOR

DATA

STATUS   POWER

B

A
EXP
PANEL

EXPANSION
CONNECTOR
TO
ADDITIONAL
Z-600-EP EXPANSION BOARD

EXPANSION
BOARD
SELECTION SWITCH

Z-600-EP SYSTEM STATUS LED DEFINITIONS AND FUNCTIONS		
ZONE OPEN	Damper Position	ON when zone damper is in open position
DATA	Send/Receive	BLINKS when data is being sent and received.
STATUS	Continuous System Check	BLINKS to confirm microprocessor is functioning properly.
POWER	Expansion Board Power	ON when Z-600-EP is receiving 24 volts power.