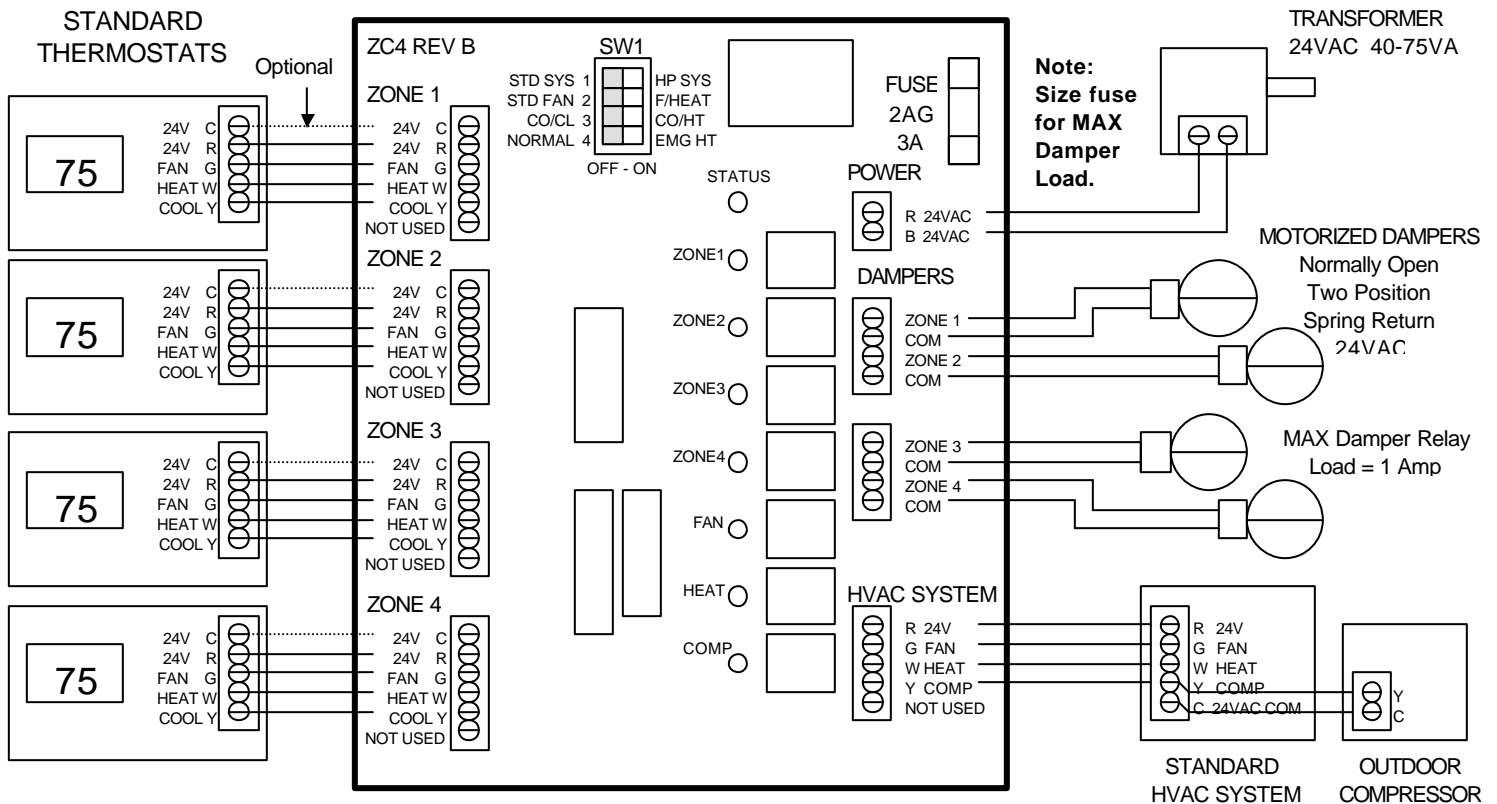


WIRING DIAGRAM

- For Standard HVAC Systems
- One Stage Heat, One Stage Cool
- Uses Standard Thermostats
- Automatic Heat/Cool Changeover



INSTALLATION NOTES:

THERMOSTATS

Use STANDARD electronic thermostats that are either battery powered or powered from both sides of the 24VAC transformer. **DO NOT USE THERMOSTATS THAT STEAL POWER FROM THE HEAT (W) TERMINAL IN THE FURNACE.** Also mechanical thermostats with heat anticipators will not work properly.

SWITCH SW1

For STANDARD systems, set SW1 position 1 to "STD SYS" (SW1-1 OFF). Select the Fan with Heat option, by setting SW1 position 2 to "STD FAN" for gas systems (SW1-2 OFF) or "F/Heat" for fan with heat for electric heat systems (SW1-2 ON). **SET POSITIONS 3 AND 4 TO OFF.**

STATUS LED

The Status LED shows normal operation by flashing slowly. If the Status LED is not flashing, check fuse/power.

SHORT CYCLE PROTECTION

To protect the compressor from rapid cycling, the ZC4S controller has a 5 min delay at the end of every cool call before it will allow the compressor to come on again. The Status LED will flash rapidly three times when the compressor output is being delayed by the short cycle protection mode.

DAMPERS

The ZC4S works with the RCS RD series of Normally Open, Power Close, Spring Return, 2 Wire, 24VAC dampers. RCS RD series dampers draw .5 Amps each. Maximum allowable damper draw per zone is 1 Amp or two dampers.

TRANSFORMER

Select the transformer VA rating to match the Maximum damper loading. With one damper per zone, max of three zones closed, damper load is 1.5 amp or 36VA so a 40VA transformer is suitable. Max load of two dampers x 3 zones, the damper load is 3 amps or 72VA and needs a 75VA transformer.