



Tech Tip

May 2024



Link Zoning requirements for secondary Transformer

When trying to determine if a 2nd transformer is required you would need to look at the VA of the unit transformer then determine the total VA of all system components.

Total out the VA of all components and if the total exceeds that of unit transformer a secondary transformer will be required.

Keep in mind that when adding a second transformer to the system the 8 port distribution board will be required so it prevents transformers from bucking one another and taking out the other transformer.

Unit	VA Each	Quantity	Total VA
System Controller	4	1	4
Thermostat	8	1	8
VS Outdoor unit ¹	15	1	15
Air Handler ²	12	1	12
Heater relay ³	4	2	8
Furnace IFC ⁴	11.3	1	11.3
Furnace gas valve ⁵	10.3	1	10.3
Zone Panel	2	1	2
Dampers	1.5	5	7.5
Air Cleaner	20	1	20
Total System VA			98.1

- Note 1: SmartCharge™ solenoid
- Note 2: AHC = 10 VA + 2 VA for onboard heater relays
- Note 3: 4 VA per 5 KW with TAMX (15 KW heater = 12 VA)
- Note 4: IFC = 5 VA in idle / cooling mode; 11.3 VA for W2
- Note 5: W2 gas heat operation

Field Service Representative Contact

1-884-FL- TRANE
1-844-358-7263