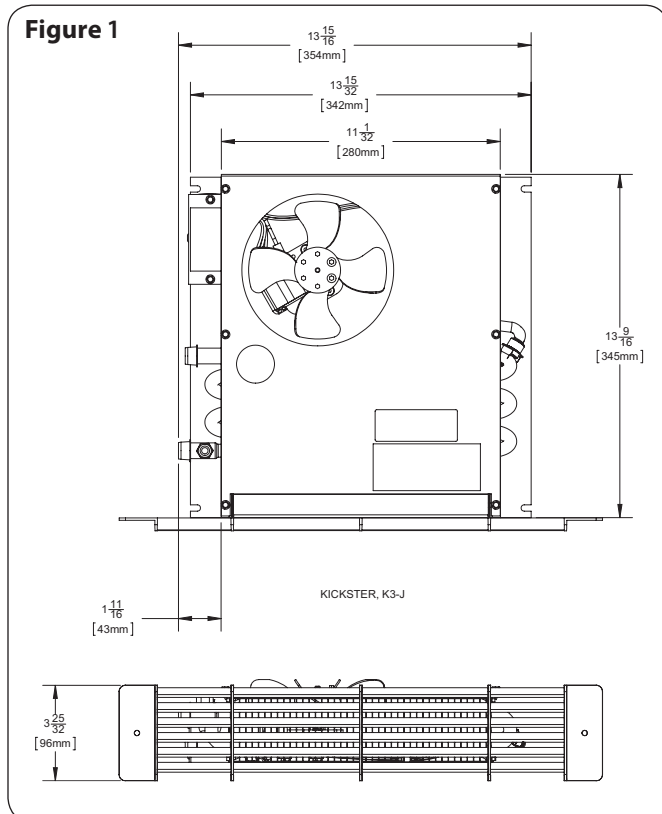




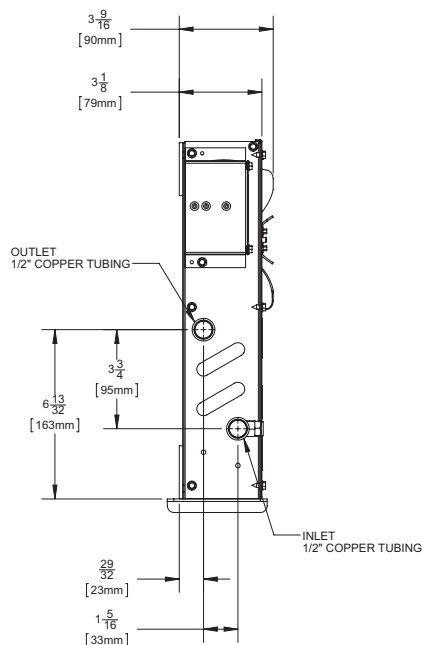
## Kickster Undercounter Fan Coil Installation and Operation Manual Model K3J / K4J

### Installation:

- Kickster fan coil space heaters are suitable for connection to hot water supply with a maximum water temperature should not exceed 200°F.
- Building codes and plumbing regulations may vary. Check local codes and regulations before determining proper application and installation.
- Cut an access panel at least 13 1/2" x 16" under the bottom shelf. Starting at the right edge of the selected location cut an opening in the toe-space riser at least 4 3/8" x 16". (See figure 1 & 2 for pipe location and unit dimensions)
- Lift the Kickster out through the access door and sweat on fittings.



**Figure 2**



### Piping:

- The piping to the unit will usually be copper or any other locally approved piping. Accessible 1/2" sweat fittings are provided on the unit itself. An optional flexible stainless steel connector kit with shut-off valves is available for connecting the unit to any type of piping system and can be used with an optional valve control box or valve control pack.
- All piping systems should be designed by a technician with experience in the various piping arrangements that work with this type of unit.
- As with any system employing circulated water, the pipes passing through unheated spaces should be insulated.

**Note: When using mono-flo or "venturi" fittings, we suggest placement of a ball valve just after the supply take-off and before the return is connected.**

### Piping: Hot Water Boiler

- The unit supply line should be taken from the boiler side beyond any flo-control valve. If the system being used is a gravity-flow or cast-iron hot water system, a separate circuit must be installed.

### Piping: Water Heater

- To install correctly, a technician with knowledge of piping arrangements and back-flo valves must design the piping system.



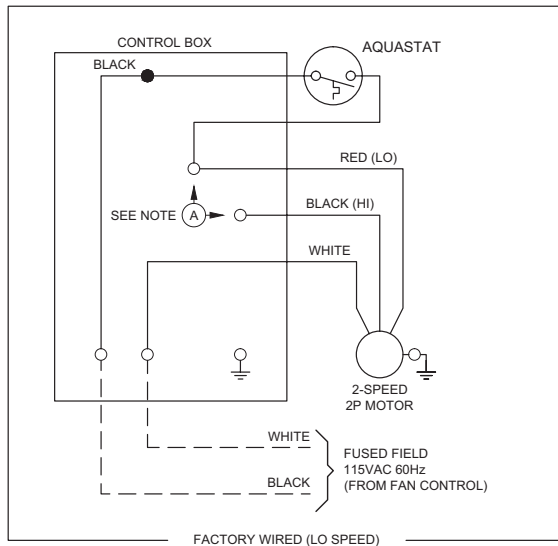
## Wiring the Unit

- A field wiring connection is provided on the unit (see figure 3). Connect wires at this point only.
- The unit is manufactured with a built-in factory wired aquastat with a set point of 140°F on and 110°F off. The aquastat may be disabled in the field if not required (see application manuals).

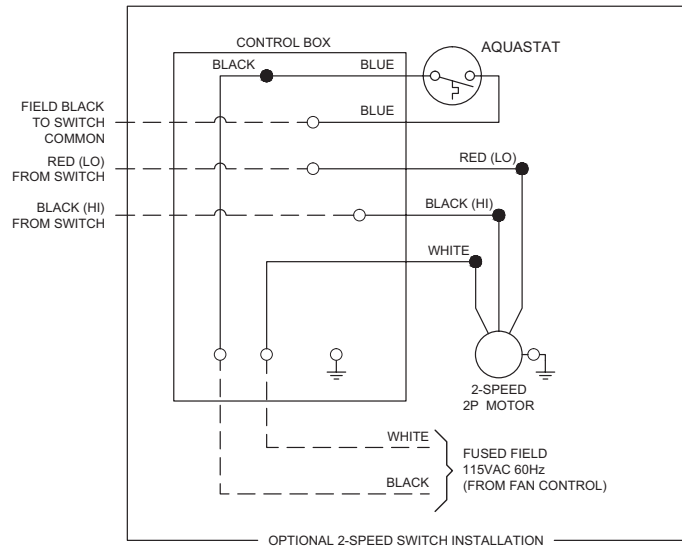
**Figure 3**

**FOR USE WITH MODELS**

- TOESTER: T45-HA, T45-WM-AR, T45-WM-AS, T68-HA, T68-WM-AR, T68-WM-AS, T12-HA
- KICKSTER: K3-J, K4-J



NOTE:  
 "A" TO DIRECT WIRE ON HIGH SPEED REPLACE RED (LO) WIRE CONNECTION TO BLUE AQUASTAT WIRE WITH BLACK (HI) WIRE. CAP THE DISCONNECTED RED (LO) WIRE BEFORE POWERING THE UNIT.



FACTORY WIRING —————  
 FIELD WIRING - - - - -

NOTE:  
 ALL WIRING SHALL MEET ALL LOCAL AND NATIONAL CODE.