



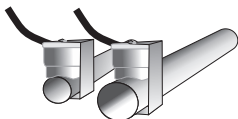
## INSTALLATION PROCEDURE

The timer control accessory is electrically connected and mounted to the circulator terminal box. Install as follows:

1. Remove the retaining screws in the existing terminal box cover and remove the cover. The timer control unit replaces this cover.
2. See "5. Electrical Hookup", for specific wiring instructions for hookup as an individual component or in series with the thermostatic control.
3. After wiring is completed and checked, install the timer control unit onto the terminal box bracket and reinsert the terminal box screws. Be careful not to bind or leave exposed any terminal box wires.

## 4. Installing the Thermostatic Control INSTALLATION PROCEDURE

1. The thermostatic control is a surface temperature sensing device that must be in contact with the system piping to operate properly. Separate models include clip-on mounts for 3/4" (7/8" O.D.) and 1/2" (5/8" O.D.) copper tubing. These models are also suitable for use with 12" and 3/8" schedule 40 steel pipe, respectively.



2. See "5 Electrical Hook-up", for specific wiring instructions for hook-up as an individual component or in series with the timer control.
3. Use a common strain relief for the power and aquastat cords.

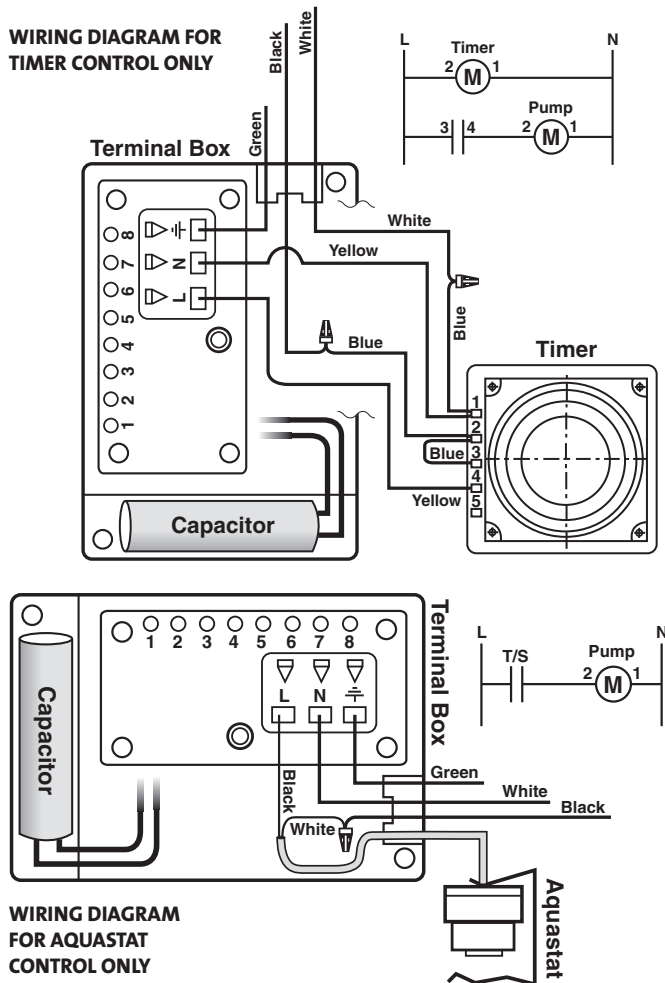
## 5. Electrical Hook-up

All electrical work should be performed by a qualified electrician in accordance with the latest edition of the National Electric Code and local codes and regulations.

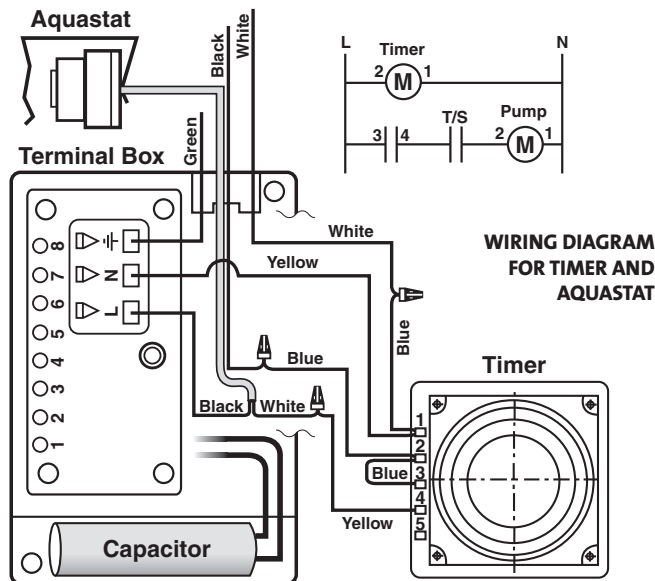
Verify the electrical supply to be certain the voltage, phase and frequency match that of the circulator and accessory components.

**WARNING: Terminal Block Connections 1-8; Factory connections only, NO field wiring required**

## WIRING DIAGRAM FOR TIMER CONTROL ONLY

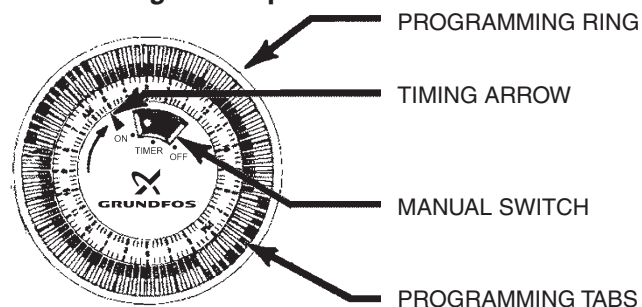


## WIRING DIAGRAM FOR AQUASTAT CONTROL ONLY



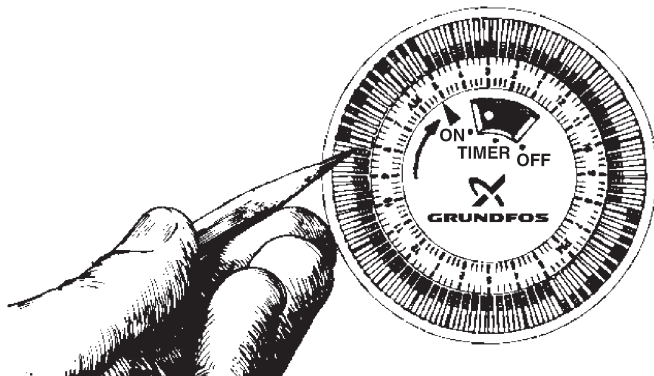
WIRING DIAGRAM  
FOR TIMER AND  
AQUASTAT

## 6. Setting and Operating the Timer Control and Starting the Pump



NOTE: Before the circulator is started, the system must be filled with liquid and vented.

1. Set the timer switch to the actual time by turning the programming ring in the direction of the arrow until the timing arrow points to the actual time on the ring.
2. Switch on the power supply to the circulator and set the manual switch to the "ON" position. The circulator will now start.
3. Set the required "ON"/"OFF" times on the programming ring by pushing the programming tabs either away from or toward the center of the ring. Tabs pushed away from the center indicate circulator switched "ON" while tabs pushed toward the center indicate circulator switched "OFF".



4. Set the manual switch to the "TIMER" position. The circulator will now start/stop according to the settings of the programming tabs.
5. For continuous operation, set the manual switch to the "ON" position. To switch the circulator off, set the manual switch to the "OFF" position. The "ON"/"OFF" modes may be used without affecting the function of either the programming ring or the timer switch.
6. In case of power outage the timer will not keep time. After power has been restored, the correct time of day must be reset by rotating the programming ring in the direction of the arrow until the timing arrow points to the actual time on the ring.