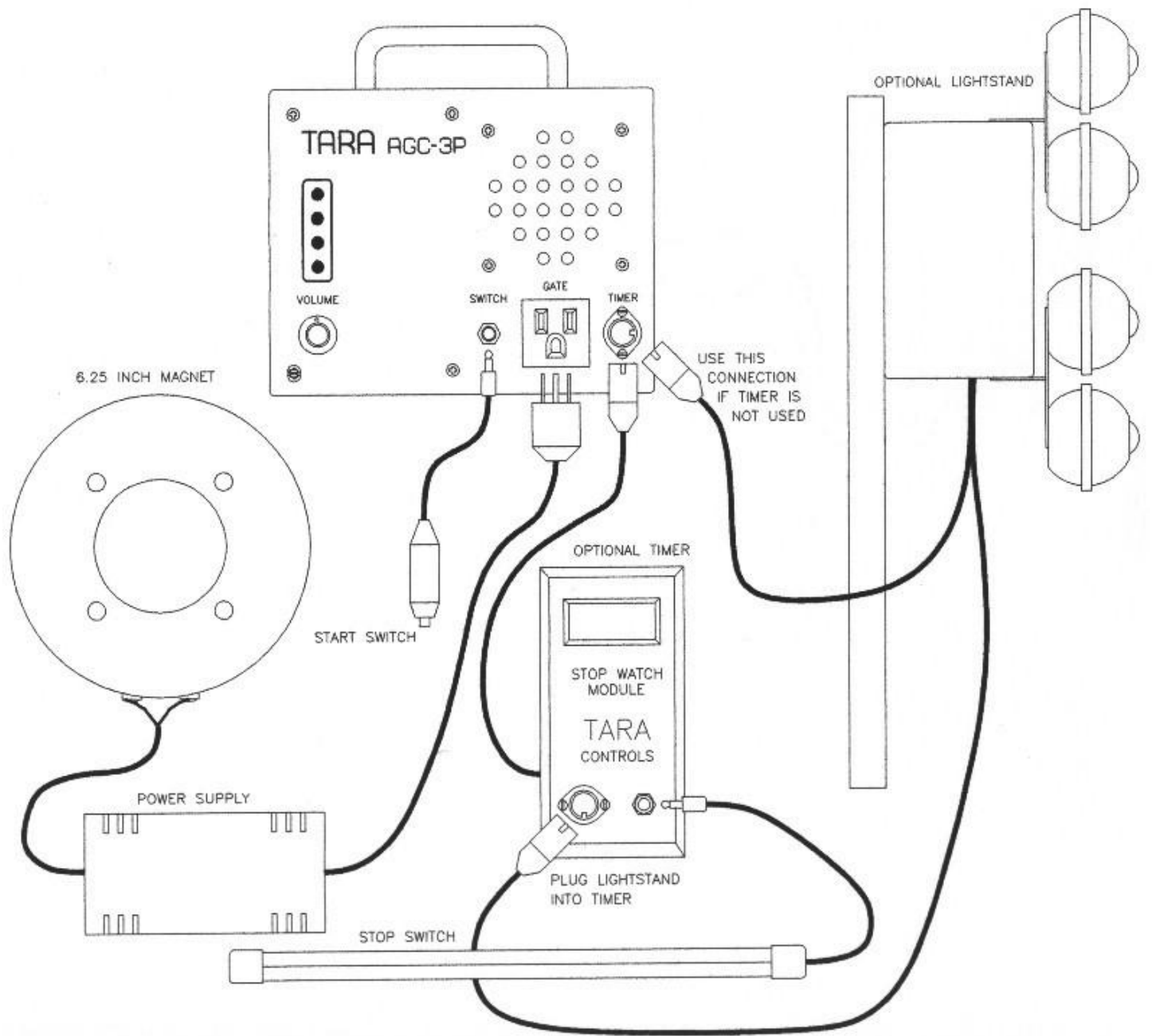# USING THE AGC-3P PERSONAL GATE CONTROLLER

(Air Cylinder Version)

1. Wire the system as shown in the "AGC-3P SYSTEM WIRING DIAGRAM" shown below. Connect the power cord of the main unit (AGC-3P) to a 120 VAC outlet.
2. Locate the Light Stand (Optional) in a visible position in front of the gate. Position the StopWatch Timer Foot Switch (Optional) across the path of the bicycle at a suitable distance from the gate (for best results the switch can be mounted to a larger board).
3. For the first race, turn on 120 VAC power. To activate the GATE output, push the start button. For subsequent races the start switch alternates between being a Raise Gate Switch and a Start Staging sequence switch.
4. Use the Start switch to start the staging sequence. Pushing the switch will start the sequence. There is a 5-second delay to allow the rider to get set on the bicycle. The staging sequence will follow the delay and when the Green light turns on, the gate will drop and the timer will start. When the bicycle tire travels over the Foot switch, the timer will stop. The 5-second delay can be disabled by turning off switch 2 on the printed circuit board inside the AGC-3P enclosure. Do NOT attempt to open the enclosure without unplugging the power cord.
5. Repeat items 3 and 4 as long as desired.

The StopWatch timer will switch from 0.01-second resolution to 0.1-second resolution at 19.99 seconds, rolling over to 20.0 seconds. The timer will stop counting at 199.9 seconds. If the timer is allowed to continue counting, the display will not reset when a new sequence is started. To enable a reset, the timer must be stopped by either activating the Foot switch or unplugging the timer module. The timer is reset on the Red light in the staging sequence.

Switch 1 is the same as the ABA/NBL switch on the top of the unit and should be kept off. Switch 3 sets the gate output for use with an optional magnet.

OPTIONAL LIGHTSTAND

TARA AGC-3P

VOLUME

SWITCH

GATE

TIMER

USE THIS
CONNECTION
IF TIMER IS
NOT USED

6.25 INCH MAGNET

START SWITCH

OPTIONAL TIMER

STOP WATCH
MODULE

TARA
CONTROLS

POWER SUPPLY

PLUG LIGHTSTAND
INTO TIMER

STOP SWITCH