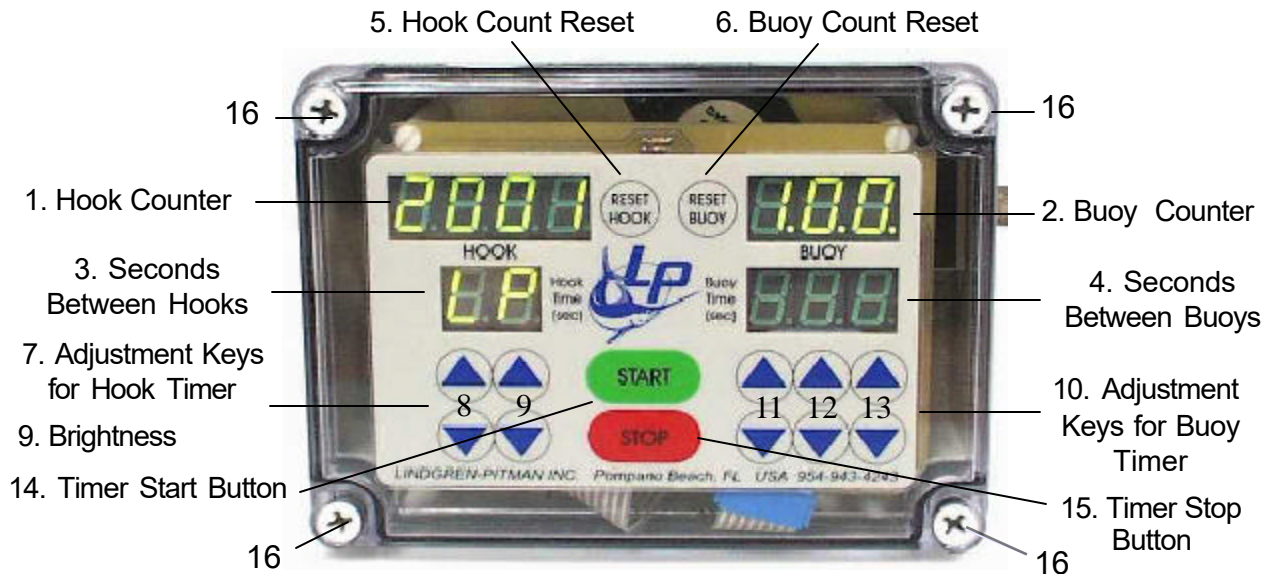




# LINDGREN-PITMAN, INC.

## LP-TIMER-3

### Hook and Buoy Timer/Counter Installation and Instruction Sheet



❑ **Installation:** First locate your power source. The timer beeper should be powered using only clean 12-24 volt DC power. Power should always come from a breaker that does not exceed its maximum rated amperage. The timer beeper draws approximately 1 amp at full load.

❑ **Mounting:** The enclosure is rated for a marine environment but care should be taken to place it where it is not exposed to extreme weather or direct sunlight. It comes prewired so there should be no need to open the enclosure. Use the aluminum bracket attached to the back of the timer to preposition the hole locations. If necessary the bracket can be removed using a philips screwdriver. Once the holes are located replace the bracket and mount the unit.

Only under extremely tight conditions should mounting without the bracket be attempted and **extra special attention will be required or the unit will not operate**. Remove the face of the unit by removing the four philips screws that hold the face to the body (16). **Carefully** unplug the 8-pin terminal that connects the membrane touch panel to the circuit board (the blue connector). If you are not careful the ribbon cable will tear and the unit will not function. Do so by wiggling the connector from side to side while pushing it towards the display. Please note the wire that attaches the touch panel to the circuit board is short and can be easily damaged, do not pry or pull on it. You can also use a small screwdriver to push the blue connector towards the displays until it unplugs from its mount on the circuit board. With the face removed the base can be mounted using the holes located underneath the four philips screws that hold the cover on the box (16). Use water-resistant marine grade 16 gauge tinned copper two conductor wire or similar to connect the timer beeper to the power source and speaker. Once the mounting is complete reconnect the 8-pin terminal strip to the unit and reinstall the four cover screws.

❑ **Connecting Power:** Once the unit has been mounted route the power wire to its source voltage, making sure power is turned off. Connect the black wire (-) to your ground source and the red wire (+) to the positive. Should the supplied power cord be too short, a longer cord can be fabricated making sure to use the same water resistant copper tinned 16/2 wire. Once the unit has been properly wired, turn the breaker on and display will flash all display segments for approximately 2 seconds. It will then revert to a single 0 digit in each of the display windows until the timers are set. Should the unit fail to power up recheck all connections, double checking polarity. If it continues to be inoperable, carefully remove the display panel and circuit board from the base enclosure. As a safety measure a 1-amp 250-volt replaceable fuse is located on the backside of the circuitboard, check for continuity to ensure the unit is receiving power (do not exceed 26 volts).

❑ **Speaker Installation:** Connect the white/black wire from the speaker to the positive (red wire) coming out of the box on the side marked speaker. Next connect the white speaker wire to the negative (black wire) coming out of the box marked speaker. Run the appropriate type of water resistant copper tinned 16/2 wire so the speaker is as close to the baiting station as possible. Solder and seal all connections. To ensure that everything is mounted and working, turn the unit on waiting for the displays to revert to zero. Set the hook timer to 5 seconds by pushing on the up arrow on key (8) five times. The seconds between hook timer will now display 5. Next set the buoy timer to 8 seconds by pushing on the up arrow on key (13) eight times. Push the start button (14) and the timer will begin a count down for both the hook and buoy. When each of the respective count down timers reaches zero either the hook (a short high-pitched beep) or a buoy (a longer lower pitched beep) will sound. At the same time as the beep, the counter display will increase by one unit for whichever timer reached zero. This function allows the operator to keep track of the number of hooks and buoys as the main line is being set.

❑ **Using the Timer Beeper:** Now that the unit is installed and is fully functional it can be set for actual use. Set both the hook (7) and buoy (10) timer times by pushing the adjustment keys up or down. The hook timer can be set for up to 99 seconds while the buoy timer can be set for up to 999 seconds. Once set push the start (14) key and the timers begin counting down. Changes to the time interval between hooks and buoys can be made "while the unit is operating" but it will not be reflected on the display until after the countdown timer reaches zero. At anytime during operation the hook (1) and buoy (2) counters can be reset to zero by pushing the reset buttons (5) and (6) respectively. Under normal circumstances the reset buttons are only used if the unit is not powered down before starting a new set. When used in this manner the hook and buoy times will not change unless the user either pushed the adjustment keys or powers down the timer beeper. It is recommended that the unit be switched off through the breaker panel when the timer beeper is not needed.

❑ **CONFIG MODE:**

Holding down the "STOP" button for 3 seconds will toggle the beeper into "CONFIG MODE"

Exit out of config mode by holding "STOP" again for 3 seconds.

In the config mode there are 3 different settings that can be adjusted.

Setting 0 – Brightness Level 0-15 Default:8

Setting 1 – Hook buzzer tone 0-9 Default:9

Setting 2 – Buoy buzzer tone 0-9 Default:0

**Note:** Be patient when pushing the buttons on the membrane switch. Several seconds may be needed between each push of the button before the unit registers the change. Use only soap and water to clean both the timer beeper and its cover. Cleaning agents or dirty rags will scratch its surface making the display hard to read and could eventually ruin the switch pad.

Part# LP-TIMER-3

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