

INSTALLATION INSTRUCTIONS



1917 OAK PARK BLVD. PLEASANT HILL, CA 94523
(925)935-3025 FAX (925)935-2287

Practice Christmas Tree Model PCT-1

The model PCT-1 Practice Christmas Tree is designed to allow racers to practice their reaction times wherever and whenever they feel they should. It operates on +12v DC voltage and comes with an AC power adapter to operate off household current. The PCT-1 will simulate 3 different types of trees; .400 second "pro-tree", .500 second "full tree" or "bracket tree", and .400 second "full-tree". Two "remote" buttons are also supplied and can be plugged into the bottom of the PCT-1.

Optional accessories: We make many accessories that operate with the model PCT-1. They include; Model PCTFS-1, full scale National event tree. Model PCT1-CLA, 12volt cigarette lighter adapter. Model PCT1IF, delay box interfacer which allows using the PCT-1 inside your race car, using your existing delay box and transbrake/line lock button.

SETUP

To turn the PCT-1 on, simply plug the AC power adapter into a wall socket (110-120vac) and plug its power jack into the Practice Christmas Tree jack labeled "12 volt power in".

Set the "**Mode**" switch. The down position is "Practice". This means that each lane is separate and allows for independent practicing. The middle position is "Race". This allows two competitors to race each other. The top position is "Computer". This allows a person to race against himself. In the "Computer" position, your competitor is the average of your last five reaction times. Red light reaction times are not included in the averages.

Set the "**Tree**" switch. The down position is ".5 Full" which is a .5 second full countdown tree. This is the normal full tree that is used throughout the country. The center position is the ".4 Full" which is a .4 second full countdown tree. This tree is sometimes used at bracket races and is the standard full tree for Australian racing. The up position is the ".4 Pro" which is a .4 second single amber tree. This is used for all heads up type racing (professional classes, super classes, etc.).

Set the "**Dial-In E.T.**" of your car and your competitor's car. For example, Super Gas cars would both dial in 09.90 or a bracket racer might dial in his normal elapsed time (E.T.) of 11.47 and his competitor a 12.96 etc. (Look at your last time slip)

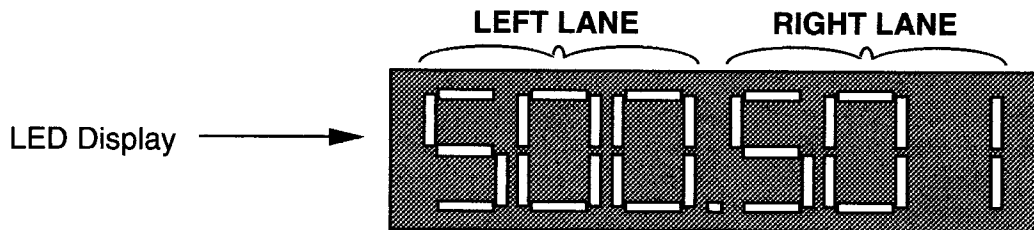
Set the "**Vehicle Reaction Time**" for both cars. This number simulates the roll-out time of the car. It is normally set so that you achieve a near perfect light or so that your reaction time matches what you normally get at the track.

Bracket racers using a .500 Full tree: Try 0.20-0.40 seconds for bottom bulb leaves, or 1.20-1.40 seconds for top bulb leaves.
Pro Tree racers using a .400 Pro tree: Try 0.20-0.40 seconds.

You can now activate the Practice Christmas by plugging in the remote switches into the "Left Remote Switch" and "Right Remote Switch" jacks. If you wish to use the same switch that is mounted in your car, disconnect the two wires going to it and connect the switch to a plug that matches the "Remote Switch" jacks on the Practice Tree. (These are available from Dedenbear or local electronics supply store).

If you wish to use your **Delay box** and button in your car, use part number **PCT1 IF** available from Dedenbear.

***NOTE: IF YOU DO NOT DISCONNECT YOUR SWITCH FROM THE CAR WIRING, YOU WILL DAMAGE THE PCT-1.**



FOR TECHNICAL ASSISTANCE, PLEASE CALL: (925)935-3025

LIMITED 1 YEAR WARRANTY

Dedenbear Products components are warranted directly by Dedenbear Products against defective materials or workmanship under normal use and service for a period of one (1) year after purchase. Dedenbear Products will repair or replace the defective unit, at Dedenbear Products option, free of charge. This warranty does not cover any damage to the component caused by abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow installation/operating instructions, maintenance, storage and environmental conditions, acts of God, or repair attempts made by anyone other than Dedenbear Products Authorized Service facility. DEDENBEAR PRODUCTS SHALL NOT BE LIABLE FOR INJURY, CONSEQUENTIAL, OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS, OTHER THAN THE LIABILITY STATED ABOVE. This warranty is in lieu of all other warranties of merchantability or fitness of use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FOR SERVICE on all Dedenbear Products, return directly to: DEDENBEAR PRODUCTS, INC. • ATTN: REPAIRS • 1917 OAK PARK BLVD. • PLEASANT HILL, CA 94523. **For Faster Service**, please include a note describing the nature of the problem, a copy of your original invoice, your name, return shipping address, and daytime & evening phone numbers where you can be reached. Or call us and we'll take down the information. Normal turn-around time on service is typically 24-48 hours.

USE

Practice Mode (DOWN) - One or two racers can use the Practice Tree independently. Merely press and hold the switch for your lane and release the switch when the Tree in your lane turns on. By setting the appropriate vehicle reaction time you can leave off either the top or bottom bulb. Pressing the "Average" switch will display the average of your last five reaction times. Red lights are ignored and not included in the average. Holding down the "Average" switch and then pressing either of the "Remote Switches" will clock the tree backwards through the last five runs and show what your time was on each run.

Race (MIDDLE) - Two racers race against each other in this mode. Each racer dials in their E.T. and vehicle reaction time. The tree will not count down until both racers have staged (pressed their lane switch). After a random time, the Tree will handicap the countdown of the bulbs. The times of each racer will be displayed and the "Win" lights will indicate who won the race. Pressing the "Average" switch will display both racers average reaction times. Holding the "Average" switch and pressing either "Remote Switches" will clock the Tree backwards through the last five runs which will show each racer's time and display the "Win" lights for who won the race.

Computer (UP) - In this mode a racer races against the average of his or hers last five runs. If the racer's reaction time keeps improving, the average time drops and it becomes harder to win each run. The "Average" history including the "win" operates the same as the race mode.

