

# THE PETERSON "AUTOTRACK™" SYSTEM

## OPERATING INSTRUCTIONS

Revised 10-29-2018.

### GENERAL INFORMATION:

**AutoTrack™** is a system designed to keep Peterson electronic voices substantially in tune with the pipes of a pipe organ. Organ pipes inherently change pitch with variations in temperature and density of the air. We have found that the Principal-Diapason (open flue) family of pipes varies approximately 1.8 cents per degree Fahrenheit. As the temperature increases, the pitch increases at this rate. Electronic voices are stable and do not change pitch with normal variations in room temperature, therefore a method of compensation is required. The **AutoTrack™** circuitry meets this requirement and adjusts the tuning of the electronic voices automatically over a 52 degree to 88 degree Fahrenheit temperature range.

### INSTALLATION:

*All power to the organ should be turned off while installing this accessory.*

- ( 1 ) Mount the **AutoTrack™** printed circuit board in a location in the vicinity of the pipes.
- ( 2 ) Connect organ positive and organ negative to the respectively labelled terminals of the **AutoTrack™** printed circuit board.
- ( 3 ) Connect the **AutoTrack™** terminal marked "OUT" to the electronic voice terminal marked "VCO". If more than one Peterson electronic voice is utilized, a single **AutoTrack™** can be wired to the VCO terminals of all the voices in "daisy-chain" fashion.
- ( 4 ) While using C# as a reference, turn on the organ and adjust the pitch of the electronic voices(s) using the tuning tool provided with each voice. ( C# is in the middle of the slight temperament error inherent in the integrated circuit chip which provides the 12 chromatic frequencies).

This completes the installation and adjustment of the **AutoTrack™** system. If you should need further assistance, please call our toll free number, **1-800-341-3311**.