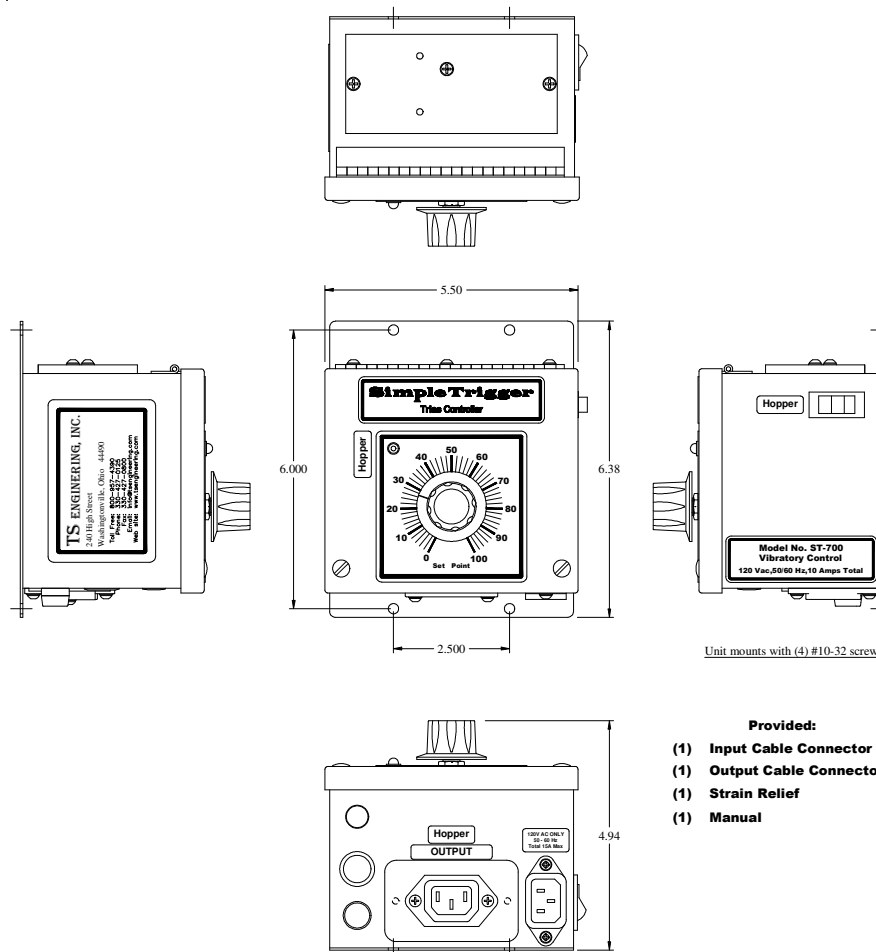


# Simple Trigger ST-700

Triac Controller

By **TS ENGINEERING, INC.**



## Data Sheet

**TS ENGINEERING, INC.**

240 High Street  
Washingtonville, Ohio 44490  
Phone: (800) 957-4390, (330) 427-0125  
Fax: (330) 427-0800

[www.tsengineering.com](http://www.tsengineering.com)

## **ST-700 Specifications**

### **Vibratory Feeder Controls Single Units (10 Amp Capacity)**

*The **ST-700** Series of Controls are used to operate small vibratory bowls, storage hoppers and inline linear feeders. This control family is typically used on loads that run continuously, but can be demand cycled by a PLC machine control or parts sensor, which has its own built-in time delays and power supply.*

- **120 Vac, 10 Amp** Control features basic operation. Operates small Vibratory Feeder Bowls, Inline Feeders, and Storage Hoppers.
- **Full Wave/Half Wave Output** is Switch Selectable from 120 Pulses per second (un-rectified) to 60 pulses per second (rectified).
- All **ST-700** Series Controls will operate on either **50 Hz or 60 Hz** line frequency.
- A **Run Interlock Input (Remote Hold)** is provided so the control can also be turned On/Off, (Hold mode), by a PLC or other feeder control. Remote Hold can be controlled by an NPN track level sensor, dry contact closure or 5 volts RMS minimum to 120 volts RMS maximum (AC or DC) voltage input
- **Phase Select** feature enables which **phase** of the line voltage the controller triggers off of on the 30Hz and 60Hz frequency output selection only. This allows balancing of the source when multiple units are utilized
- **Operate / Hold Out (Interlocking)** This is a unit functional output of **+5 Vdc** indicating **Operate mode** and a **0 Vdc** output indicating the controller is in **Hold mode**. This function is used not only for indication but also for multiple controller interlocking.