

## Principal of the SETI Oiler:

The SETI Oiler was designed to provide light lubrication to a live bottom chain. Oil is applied on each side, above the front sprocket. In this manner, the lubrication is sprayed by built up air pressure onto the lower chain.

By activating the solenoid valve, air is let into the oiler, allowing a metered amount of oil into a tee nozzle; by deactivating the solenoid, the released air is fed behind the tee to make an oil mist.

The solenoid valve is timer operated. It takes a minimum of 10 seconds to charge and 10 seconds to discharge; therefore, the most frequent mist would be every 20 seconds.

## Notes:

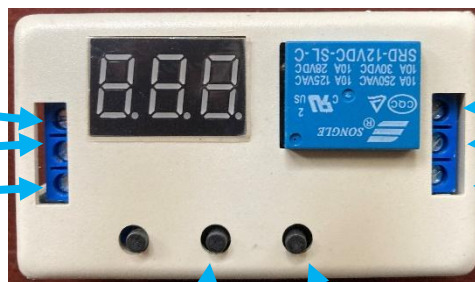
- The **length of the air line** from the solenoid to the tees **must be the same for the two tees** to spray evenly
- The length of the oil line from the pump to the two tees may be different

## TIMER – Installation and Operation:

The timer must be installed in the cab or a protected area. It is not waterproof. It needs ground, ignition, and a feed belt ON signal.

### Left side Screws:

- **Top:** signal feed belt-ON
- **Middle:** not used
- **Bottom:** ground



### Right Side Screws:

- **Top:** not used
- **Middle:** ignition power
- **Bottom:** pump power

T1 "Frequency of discharge"

T2 "Duration of discharge"

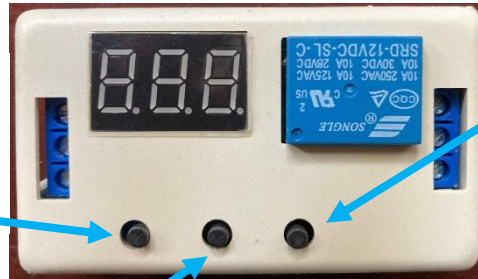
**T1 "Frequency" + T2 "Duration" = Intervals of discharge**

See next page for setting the timer using the buttons on the bottom of the timer

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## SETTING THE TIMER:

**Left:** Push until it reads 'P3' on the screen, then move to the middle button



**Right (T2) = Duration**

Example of how to set for 20 seconds:

Push the right button; once it starts running...

- Push the **middle** again to select the hundreds column (the left digit will start blinking)
- Push **right** button until left digit is '0', zero
- Push **middle** button until the middle tens column is blinking
- Push **right** to set to '2', two
- Push **middle** button until the ones column is blinking
- Push **right** to set to '0', zero

**Middle (T1) = Frequency**

Example of how to set for 20 seconds:

Push the middle button; once it starts running...

- Push the **middle** again to select the hundreds column (the left digit will start blinking)
- Push **right** button until left digit is '0', zero
- Push **middle** button until the middle tens column is blinking
- Push **right** to set to '2', two
- Push **middle** button until the ones column is blinking
- Push **right** to set to '0', zero

**T1 (middle button) + T2 (right button) = Frequency of the spray**

**T1 "Frequency" + T2 "Duration" = Intervals of discharge**

(20 seconds charge) + (20 seconds discharge) = 40 seconds intervals

**\*\* 40 second intervals is recommended (20s + 20s) \*\***

The lowest intervals the timer can be set for is 20 seconds (10 + 10); the oiler needs time to reset in between discharging the oil