

Push Button operation of the HiLine™ sound cards with timed lock out of Whistle / Horn sound using the Display Timer, #507.

Sometimes it's nice to keep the viewers of a display from constantly pushing the button to make a Whistle or Horn sound constantly. One solution is to lock it out for a period of time before allowing it to play again. By using a few components, along with the STAMP or Full Featured HiLine™ sound units, this can easily be accomplished.

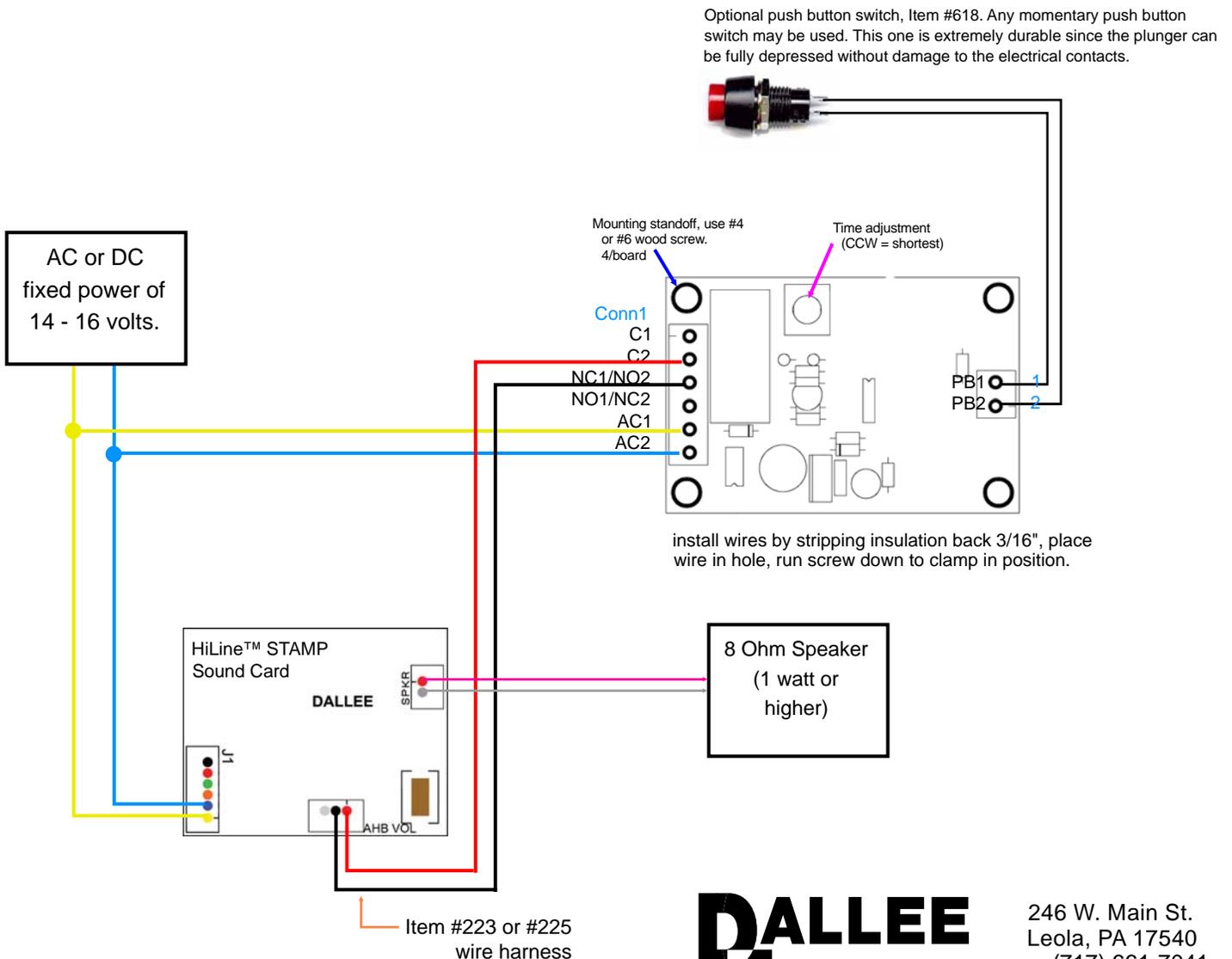
Since the Display Timer / Timer-3, item #507, has a timed switch with a push button activation we can use that to operate the "Auto-Whistle/Horn" of the sound systems. Plus, since the sound systems do not activate immediately, like the 507 does, you don't get a sound when power is first turned on, at the beginning of the day, until after the time has elapsed and it's ready for the first push button activation! The only downside, to some, of this operation is that if the push button is pushed before the time has elapsed on the display timer, the sound will not play and the timer gets reset to its initial time which makes it take longer for the time to clear and the sound to play on the next activation. So, if someone is constantly pushing the button, the display timer will never clear its time and the sound will never occur. This could be a good thing to some but not to others. So, when the time set on the display timer has timed out from nobody pressing the button for the set time,

then it will play a sound when the display push button gets pressed. Each time the button is pressed, the display timer activates its relay which then tells the input to the sound system to start playing its random whistle/horn pattern. Sometimes it's the same as the last but most times it's not. You never know which pattern play you will get.

The sound system selection menu is the same as its instructions show. The only thing different is that the whistle / horn played is controlled by a locked out push button.

Select a location to mount the boards accordingly and carefully wire them as shown. DO NOT let any stray wire or other metal touch the boards since that can destroy them!

Item #507 can be mounted with #4 flat head phillips screws. The sound unit gets mounted with its double sided tape. When mounting the speaker, don't forget to enclose the back of it for the best sound. An open back lets the sound cancel out from front to back of a speaker. A really basic baffle would be using a styrofoam cup. A building can be used as well, just seal up the inside and have the speaker facing out of some holes or slots.



Push Button operation of the HiLine™ sound cards with timed lock out of Whistle / Horn sound using the Trak-DTT.

Sometimes it's nice to keep the viewers of a display from constantly pushing the button to make a Whistle or Horn sound constantly. One solution is to lock it out for a period of time before allowing it to play again. By using a few components, along with the STAMP or Full Featured HiLine™ sound units, this can easily be accomplished.

By using the Trak-DTT, item #565, and a few other components, a timed switch, with a push button activation can be used to operate the "Auto-Whistle/Horn" of the sound systems. This setup differs from using the Display Timer, item #507, in that it does not require the push button to not be depressed for the time to expire. The other difference is that the time cannot between activations cannot go beyond the 40 or so seconds maximum w/o ordering one with more time duration. This also requires a lot more components to accomplish this task. When the push button is activated, the Trak-DTT pulls it's relay in and thus activates the "Auto Whistle/Horn" input of the sound card. The push button is then deactivated until the Trak-DTT's time has expired. Each time the button is pressed, the Trak-DTT timer activates it's relay

which then tells the input to the sound system to start playing it's random whistle/horn pattern. Sometimes it's the same as the last but most times it's not. You never know which pattern play you will get.

The sound system selection menu is the same as it's instructions show. The only thing different is that the whistle / horn played is controlled by a locked out push button.

Select a location to mount the boards accordingly and carefully wire them as shown. DO NOT let any stray wire or other metal touch the boards since that can destroy them!

Item #565 and #369 can be mouted with #4 flat head phillips screws. The sound unit gets mounted with it's double sided tape. When mounting the speaker, don't forget to enclose the back of it for the best sound. An open back lets the sound cancel out from front to back of a speaker. A really basic baffle would be using a styrofoam cup. A building can be used as well, just seal up the inside and have the speaker facing out of some holes or slots.

Push button switch, Item #618 shown. Any momentary push button switch may be used. This one is extremely durable since the plunger can be fully depressed without damage to the electrical contacts.

