**Don't use the function labeled "launch retard" in the MSD 7531. It pulls timing on the transbrake and starts ramping it back in linearly as soon as you release the transbrake.**
This way uses the brown and white wire and one of your step retards Images below shows how to wire **timed based launch retard** in the 7531 to Step Retard 3. Itwill not activate until the release of the transbrake, pull an additional pre-determined amount of timing, hold it out for a user specified amount of time, and ramp it back in over a user selected amount of time. *This makes a 7531 MSD box to do the exact same thing as the grid's "launch retard".*

**Under the RPMTimeSw in the tree set-**SEL\_Time - This makes the switch a Time based switch
**ONDelay** - This will delay turning the switch on for the amount of time set. 0 means it will start at release of transbrake
**ONTime -** This is the amount of time the switch is on after the ONdelay time is reached.
so a **0 ONDelay** and a **1 ONtime** means it'll turn on at release of
transbrake then off 1 second later.

**Under Step3 in the tree set**
**ON -** will set how long it takes to reach the full Step3 retard (so it ramps the timing out)
**OFF-** Will set how long AFTER the time switch turns off it takes to ramp timing in.
**DEG-** The amount of retard

So
Ondelay=0
OnTime=1
Step3 ON=0
Step3 OFF=1
Step3 Deg=5

It will pull 5 deg all at once on release of transbrake. It will remain at 5 for 1 sec while the time switch is on.

At 1 sec the time switch goes off and the **step 3** will begin ramping the timing back in reaching zero at the 2 second mark into the run.

**Standard 4 Pin Relay**



