

Overview

Toggle is a quad flip flop with a normalized logic inverter per output for euro format systems.

Installation

Verify power is not active during installation. Power requirements are 37mA of the +12V supply and 34mA of the -12V supply. The 10-pin side of power cable provided should be attached with the red stripe towards the bottom of the module (marked -12V). The 16-pin side of the cable should be attached with the red stripe on the negative side of the power distribution board (this is usually at the bottom).

Panel Layout

There are four identical flip flop and inverter sections on the panel. Each section has a four inputs including SET, RST (reset), CLK (clock) and IN. The outputs are labeled OUT and VERT with LEDs to indicate their state.

1. SET input: A gate or pulse received at this input will force the OUT jack to a HIGH state. If the IN jack is not used, this will also force VERT to a LOW state.

2. RST (reset) input: A gate or pulse received at this input will force the OUT jack to a LOW state. If the IN jack is not used, this will also force VERT to a HIGH state.

3. CLK (clock) input: A gate or pulse received at this input will toggle the OUT jack's state. If the IN jack is not used, this will also toggle VERT.

4. IN input: A gate or pulse received at this input will cause VERT to be in a LOW state. VERT will be in a HIGH state if there is no signal present or the IN jack is in a LOW state. Plugging a jack into the IN input also breaks the normalization from the OUT jack.

5. OUT output: This is the main flip flop output and is normalized to the IN jack for inversion.

6. VERT output: This is the inverter output. As long as the IN jack is not used, this output will always be the logic inversion of the OUT jack.

