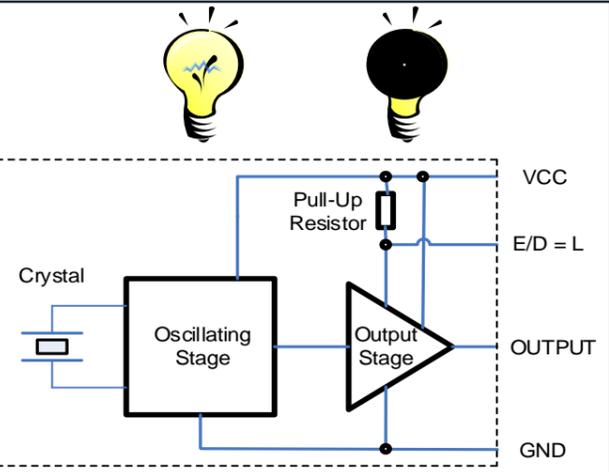
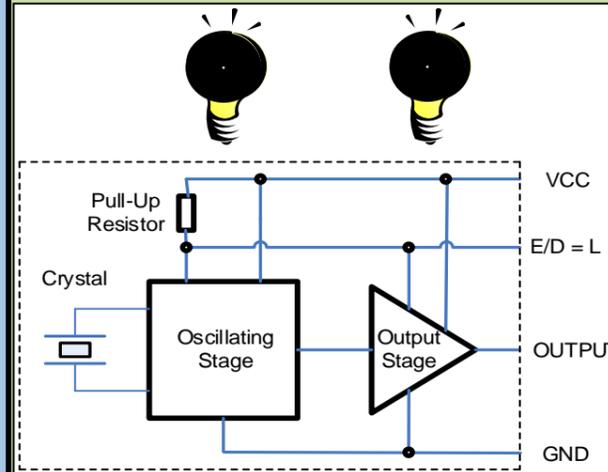
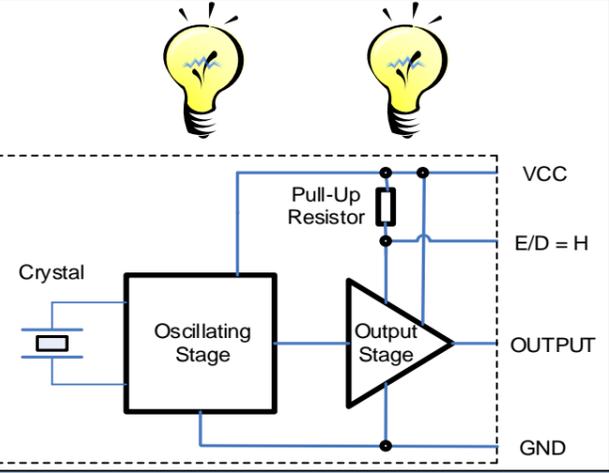
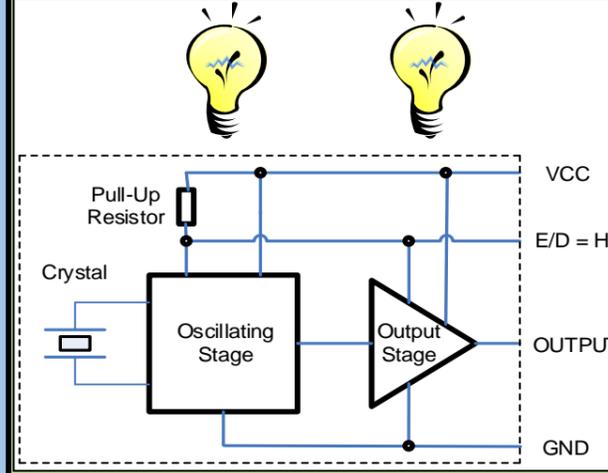


# Difference of Standby Modes in Jauch VX3 and JO75 5.0V & 3.3V Oscillators

Short Description	"TRI = Tristate only"	"STP = Stop with Tristate"
Explanation	during standby: oscillating stage operates & output has Tristate* function	during standby: oscillating stage stops & output has Tristate* function
Standby function "Disabled" signal output disabled	 <p>Example values:                      Oscillator Power, <math>V_{DD} = 5.0V</math> or <math>3.3V</math>                      Current Consumption = reduced (3mA)                      E/D = 0V (Logic Low)                      Output = no signal, high impedance                      Oscillation Circuit = fully enabled                      Output Circuit = disabled</p>	 <p>Example values:                      Oscillator Power, <math>V_{DD} = 5.0V</math> or <math>3.3V</math>                      Current Consumption = almost Zero (some <math>\mu A</math>)                      E/D = 0V (Logic Low)                      Output = no signal, high impedance                      Oscillation Circuit = disabled                      Output Circuit = disabled</p>
Standby function "Enabled" signal output active	 <p>Example values:                      Oscillator Power, <math>V_{DD} = 5.0V</math> or <math>3.3V</math>                      Current Consumption = 10 mA                      E/D = H (Logic High or Open)                      Output = active (clock signal)                      Oscillation Circuit = fully enabled                      Output Circuit = enabled                      Enable Time <math>\leq 250nsec.</math></p>	 <p>Example Values:                      Oscillator Power, <math>V_{DD} = 5.0V</math> or <math>3.3V</math>                      Current Consumption = 10 mA                      E/D = H (Logic High or Open)                      Output = active (clock signal)                      Oscillation Circuit = fully enabled                      Output Circuit = enabled                      Enable Time = 0.2...10msec.</p>
Application	output multiplexed applications, <u>fast</u> reaction of output reduced power consumption when disabled	battery powered applications, power consumption <u>very low</u> when disabled, <u>slower</u> reaction of output when re-enabled

\*Tristate  
 Note 1: Tristate means that the output can have 3 states: High or Low when enabled / High Impedance if disabled  
 Note 2: If the E/D Pin is not connected, the oscillator is continuously operating as soon as a supply voltage is available  
 The STOP Function is Jauch standard for all oscillators belonging to JO53, JO32, JO22 and JO21 series