

# 0-10v Control ADVANCED OVERVIEW GUIDE

## Important Notes:

1. The most important concept to remember when using 0-10v control with conventional wired controls is that there can only be ONE item controlling the 0-10v adjustment.
2. You may use the 0-10v control on multiple fixtures so long as you do not exceed the specifications of the control item.
3. To have multiple control points for the 0-10v it becomes necessary to use a more sophisticated manner of control, such as the IR-TEC OS-NET wireless control system.

## Standard Controls

1. Wall Switch 0-10v dimmer
  - a. Using a 0-10v wall switch dimmer will allow for the occupant adjust the light levels up and down.
  - b. There can only be ONE wall switch dimmer. You may have multiple on/off push buttons working along with the dimmer.
  - c. You may NOT use sensors with 0-10v control in conjunction with a 0-10v wall switch dimmer.
2. Sensors with 0-10v control
  - a. A sensor with 0-10v can be used as a single sensor control of a single fixture.
  - b. A sensor with 0-10v can be used as a single sensor controlling multiple fixtures so long as you do not exceed the specifications of the control item.
  - c. You may not add in a 0-10v wall switch dimmer in conjunction with a sensor that is using its 0-10v control.

## Networked Controls

1. To have multiple control points of 0-10v control, a control system of some sort will be needed. For example, the IR-TEC OS-NET wireless control system.
2. The OS-NET wireless control system allows for multiple wall switch dimmers to work with multiple sensors all adjusting the 0-10v as needed.

EXAMPLE OF AN OS-NET SYSTEM

