



Light Emitting Diode Dimmer System

The VTDimmer controller is an eight channel LED dimmer system that is capable to operate in a multitude of modes and communications options. A total of 15 units can be controlled on a single bus giving a maximum of 120 dimmer channels.

Mode 1 – Standalone Basic

Select this mode by setting the board address to zero and the mode switches to off. This mode enables the voltage inputs to control the LED display channels.

Mode 2 – Standalone Sequence

Select this mode by setting the board address to zero and select a display sequence and speed with the mode switch. A number of predefined sequences can be selected.

Mode 3 – Remote Controlled

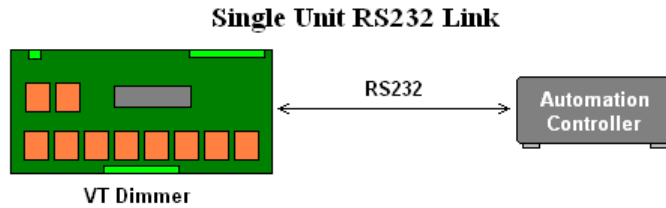
Remote control mode is selected by setting a unit address in the range of 1 to 15. Control of a single or a group of channels is possible. The following function types is available on the units

- Selected channel control Channels On, Off, Dim and flashing
- Selected sequence control Predefined sequences over all eight channels
- RGB channel control Two independent RGB channels implemented on the first six unit channels. Channels 7 & 8 operate as normal single dimmer channels.
- RGB sequence control Predefined RGB sequences on both channels.

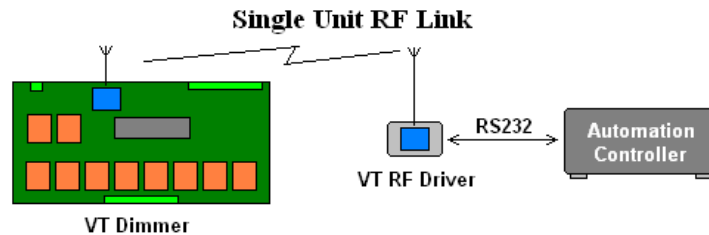
Mode 3 – Communications options

A number of communications options for automation controllers or PC's are available on the units as described below.

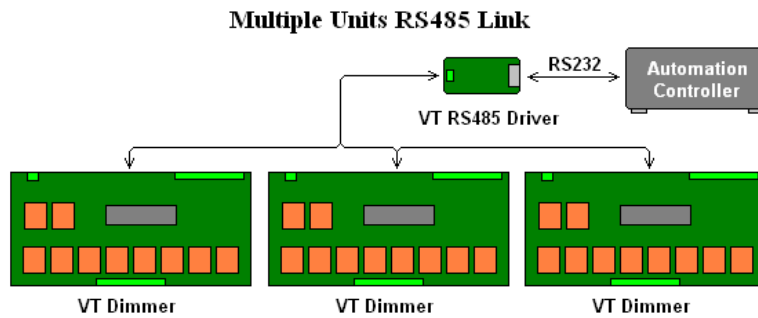
- Single unit wired RS232 link to the automation controller.



- Single unit RF link to a **VT RF Driver** interface at the automation controller.



- Single or Multiple units wired RS485 bus to a **VT RS485 Driver** interface at the automation controller.



- Single or Multiple units wired RS485 bus to a **VT RF485 Driver** with the RF link to a **VT RF Driver** at the automation controller.

