ATX LED

100% DC low voltage

3-Way Switching methods

ATX LED switches support different kinds of 3-Way switching
using AWG 24/2 or AWG 20/2

Model ->	Smart Virtual 3-Way Mode	Simple Rocker On/Off	Momentary On/Off Dimming
Number of "3-Way" locations	16	1	10
AL-WS-DR2	X	X	X
AL-WS-DR2W		X	X
AL-WS-DR1		X	
AL-WS-PIR	X	X	X
AL-WS-010v	X	X	X
AL-WS-DR0		X	

Explanation of terms

a) Rocker On/Off

An On/ Off switch with 2, 3 or 4 connections (see Method B below) is wired to allow
multiple control points of a light. There is no significant current flowing – so AWG24,
22, 20 or 18 is typically used. Very low cost for 1 or 2 add-on switches. The Up/Down
position of the switch will not match the On/Off state of the light.   A Home Depot
switch for $1.50 can be used

b) Momentary

An push button switch like the RH-253, AL-WS-M or any other momentary contact 2 connection switch is used to implement On / Off / Dimming. See Method A below. This method means the Up/Down position of the switch is not related to On/Off state of the light.   Many can be wired in parallel.   Press and hold to dim the light.

c) Virtual 3-Way

This uses multiple AL-WS-DR2 to act in unison as one switch. An example of Virtual 3-Way mode is shown here, a room with 24 LEDs, 4 egress points, 4 switch locations, all operating as one group.

Switch Location	Load	DALI Address	DALI Group
Door 1	8 LEDs / AL-WS-DR2	0	0
Door 2	8 LEDs / AL-WS-DR2	1	0
Door 3	8 LEDs / AL-WS-DR2	2	0
Door 4	None / AL-WS-010v	3	0