

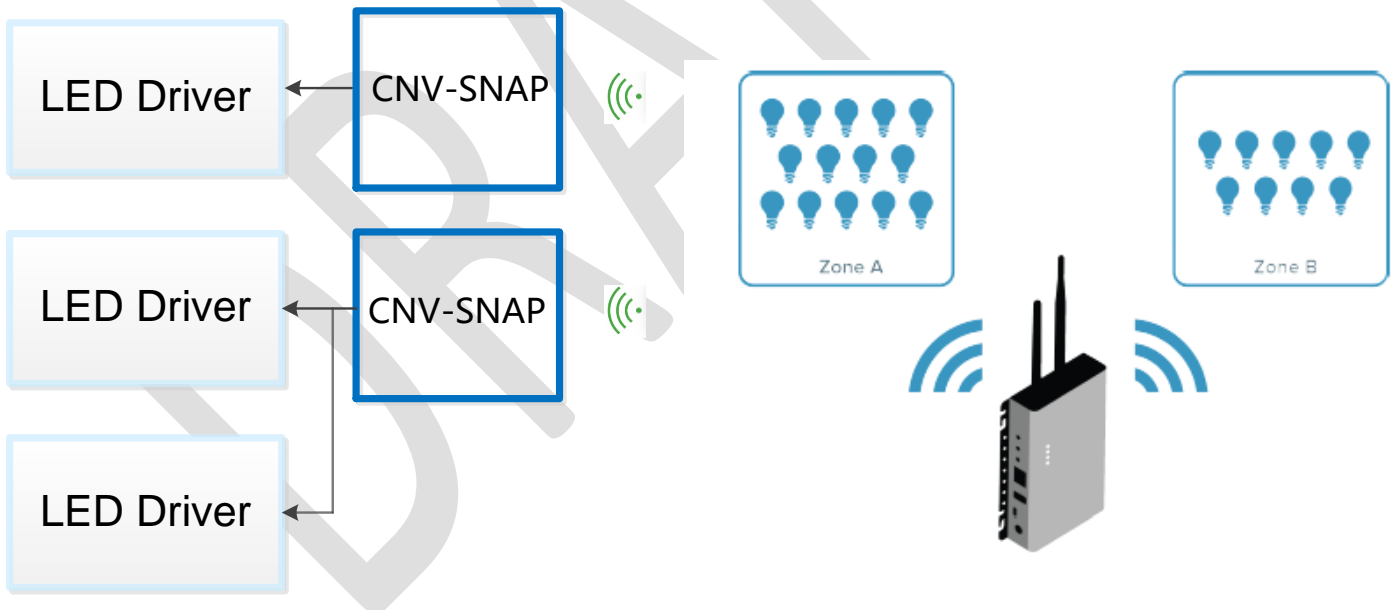
Features

- Controls 0-10V Dimming Input of One or More Inventronics LED Drivers
- Compatible with Synapse SNAP Mesh Network
- Uses Driver Dim-to-Off Capability to Eliminate AC Switch or Relay
- Simple 3-Wire Connection to an Inventronics Driver Includes Power
- Programmed Using Synapse *SimplySNAP*
- IP66 Rated
- Flame Class: UL94-V0
- Convenient Mounting Options: Outside a Junction Box or Luminaire Secured by a Single Nut, or Inside a Luminaire Secured by a Bracket



Description

The CNV-SNAP is a self-contained, programmable wireless dimming controller that enables one or more Inventronics LED drivers to be controlled by Synapse Lighting Control networks. Synapse Wireless control can be used for both indoor and outdoor lighting systems. Powered by compatible LED drivers, its compact design and flexible deployment options make it ideal for placement in a wide array of fixtures.



Input Specifications

Parameter	Min.	Typ.	Max.	Notes
Vaux Voltage	5V	12 V	24 V	Support the maximum output current of LED driver to 100%lo
Iaux (Vaux Current) at 12v	-	100mA		1.2W Max

General Specifications

Parameter	Min.	Typ.	Max.	Notes
Dimensions Inches (L x W x H) Millimeters (L x W x H)		3.62*2.71*1.14 92*69*29		Without the bracket
Net Weight	-		-	With the bracket and nut

Note: All specifications are typical at 25°C unless stated otherwise.

Environmental Specifications

Parameter	Min.	Typ.	Max.	Notes
Operating Temperature	-20 °C	-	+70 °C	
Storage Temperature	-20 °C	-	+85 °C	Humidity: 5% RH to 100% RH

Dimming Specifications

Parameter	Min.	Typ.	Max.	Notes
Dim+ Voltage	0V	-	10V	Vaux≥11.5V
Dim+ Sink Current	0mA	-	10mA	

Note: All specifications are typical at 25°C unless stated otherwise

Safety & EMC Compliance

Safety Category	Standard
UL/CUL	UL8750,CAN/CSA-C22.2 No. 250.13-12
CE	EN 61347-2-11, EN 61347-1, EN 62479, ETSI EN 300 220-1 V2.4.1, ETSI EN 300 220-2 V2.4.1, ETSI EN 301 489-1 V1.9.2, ETSI EN 301 489-3 V1.6.1
EMI Standards	Notes
EN 55022 ⁽¹⁾	Conducted emission Test & Radiated emission Test
FCC Part 15 ⁽¹⁾	ANSI C63.4: 2009 Class B This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: [1] this device may not cause harmful interference, and [2] this device must accept any interference received, including interference that may cause undesired operation.
EMS Standards	Notes
EN 61000-4-2	Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS

Note: (1) The CNV-SNAP is considered as a component that will be operated in combination with final equipment. since EMI performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMI Directive on the complete installation again.

Interface to LED Driver

Wire Color	Name	Description
BLACK/WHITE	Vaux_in	Input from driver's 12V auxiliary power
PURPLE	Vdim_out	The dimming signal output to control the driver
GRAY	Return	Return for auxiliary power and dimming signal

Inventronics Controls Ready Drivers

Vin_ac (Vrms)	Pout (W)	Driver Series	Part No. Suffix	Models (×10 = mA)	IP Rating	Full Pwr to x% Io_max
90 ~ 305	40	LUD-040S	DSF	075,150	IP20	50%
90 ~ 305	60	LUD-060S	DS2	055, 078, 110, 150, 210	IP20	70%
90 ~ 305	75	EUD-075S	DT, DV	070, 105, 175, 280	IP67	70%
90 ~ 305	96	EUD-096S	DTA, DVA	070, 105, 210, 350	IP67	70%
90 ~ 305	150	EUD-150S	DTA, DVA	105, 210, 350, 560	IP67	70%
90 ~ 305	200	EUD-200S	DTA, DVA	105, 210, 350, 560	IP67	70%
90 ~ 305	240	EUD-240S	DTA, DVA	105, 210, 420, 670	IP67	70%
90 ~ 305	320	EUD-320S	DT, DV	150, 220, 320, 460, 670	IP67	70%
90 ~ 305	600	EUD-600S	DT, DV	280, 420, 560, 740, 980	IP67	80%
249 ~ 528	96	ESD-096S	DT, DV	090, 180, 360	IP67	50%
249 ~ 528	150	ESD-150S	DT, DV	105, 210, 350, 560	IP67	70%
249 ~ 528	240	ESD-240S	DT, DV	100, 150, 220, 320, 460, 660	IP67	70%
249 ~ 528	320	ESD-320S	DT, DV	150, 220, 310, 440, 620	IP67	70%
249 ~ 528	600	ESD-600S	DT, DV	280, 420, 560, 740, 980	IP67	80%

RoHS Compliance

Our products comply with the European Directive 2011/65/EC, calling for the elimination of lead and other hazardous substances from electronic products.