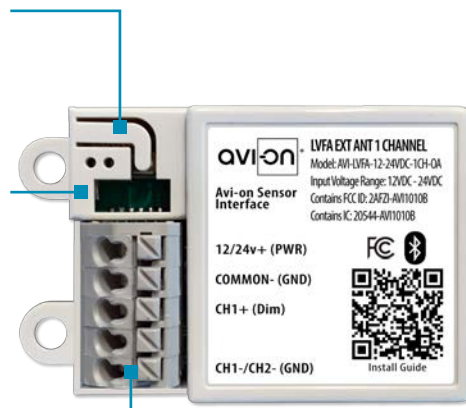


Low Voltage Fixture Adapters

- Status LEDs & Config Button**
Quick and Easy validation of wiring and network
- Direct Connect™ Sensor Port**
Simple and Cost-Effective addition of Avi-on sensors
- Terminal Blocks & Mounting Tabs**
Faster, Easier and Lower Cost Installation eliminating connectors



Fixture-integrated Adapter works with any Dim-to-off 0-10V Fixture

Internal Antenna
Improved Performance and eliminate risk of accidentally cutting hanging wire

Product Overview

Description

The LVFA series fixture adapter mounts inside lighting fixtures providing addressability for each luminaire. All fixture adapters are part of the Avi-on™ Bluetooth with Mesh product ecosystem supported by the Avi-on mobile app, commissioning tools, and cloud IoT Services.

Operation

The fixture adapter requires 12~24VDC. It must be powered either by a LED driver with AUX output or an external Avi-on power supply. Once powered up and added to the network, the fixture adapter dim lighting loads in response to the input from communicating devices.

Applications

This family of low voltage fixture adapters is ideal for controlling any lighting fixture that utilizes 0-10V dim-to-drivers. Its compact size makes it easy to fit inside most indoor fixtures such as flat panels, troffers, retrofit kits, linear architectural fixtures, recessed and other luminaires for offices and schools applications.

It is also a great solution for commercial, industrial and outdoor projects such as warehouses, gymnasiums, common areas, parking lots, garages, and manufacturing plants using high-bay (linear or UFO), vapor tight, utility wraps, etc.

The external antenna model is well suited for outdoor luminaires such as area lights, floods, canopies and other garage or open parking area fixtures.

Finally, the 2-channel 0-10V model is ideal for projects with tunable white requirements, where one channel is use to adjust the color temperature (CCT) and the other the light level (also works with two independent drivers).

Ordering Information

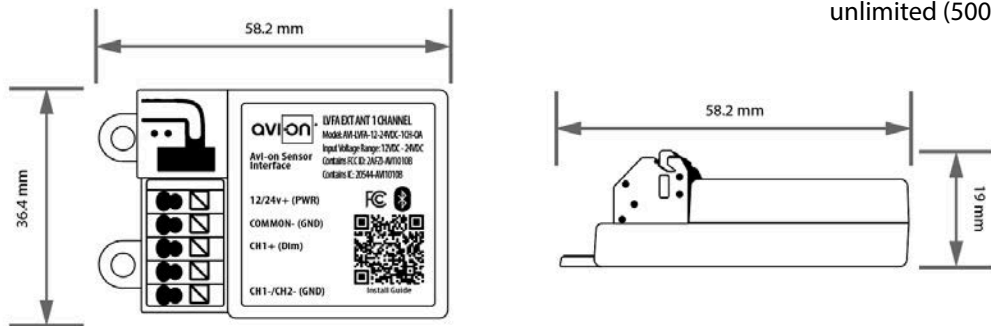
Part Number	Description	Application	Input Voltage
AVI-LVFA-1CH-12-24VDC	Fixture Adapter, Single Channel 0-10V, Dim-to-off driver	Indoor	12 - 24 VDC
AVI-LVFA-2CH-12-24VDC	Fixture Adapter, Dual Channel 0-10V, Dim-to-off driver, Tunable White	Indoor, CCT	12 - 24 VDC
AVI-LVFA-1CH-12-24VDC-OA	Fixture Adapter, Single Channel 0-10V, Dim-to-off driver, External Antenna	Outdoor	12 - 24 VDC

To order please contact Avi-on sales at **(877) AVION-US**, (877) 284-6687 or prosales@avi-on.com for information on becoming an Avi-on partner and order details.

Specifications

Input Voltage:	12~24VDC 25mA for 12V supply 30mA for 24V supply	Radio Frequency:	2.4GHz
0-10V Dimming:	5mA per Channel	Wireless Standard:	BLE 4.2 with Mesh
Size:	(58.2mm x 36.4mm x 19mm) (2.30in x 1.43in x 0.75in)	Point to Point Range*:	80ft with obstructions; 350ft unobstructed
Mounting:	Removable mounting tabs	Security:	AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication
Weight:	0.45 oz (16g)	Warranty:	5 years; 10 years optional
Terminal Blocks:	22-16 AWG wires	Regulatory:	FCC: 2AFZI-AVI1010 B IC: 20544-AVI1010 B BQB: D031801, DID: 86303
Operating Temperature:	-30C to +60C (-22F to +158F)		
Storage Temperature:	-40C to +85C (-40F to +185F)		
Humidity Rating:	95% non-condensing		

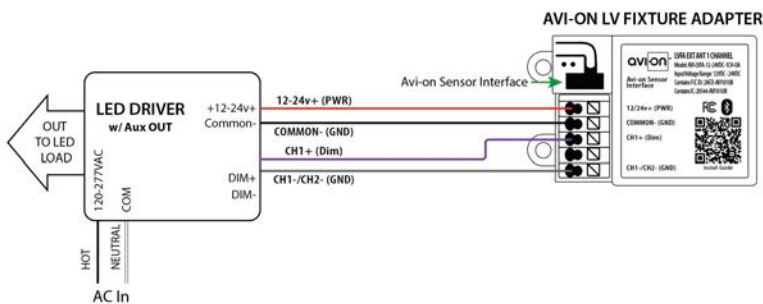
Dimensions



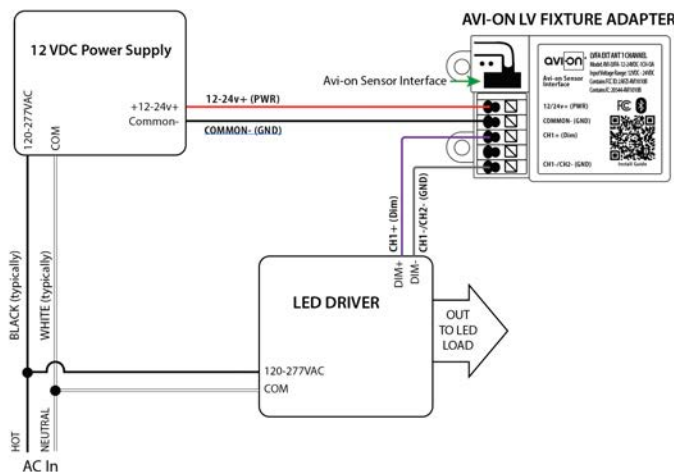
*When communicating through the mesh, range is essentially unlimited (5000ft+)

Wiring Diagrams

Fixture Adapter powered by LED driver Aux. output



Fixture Adapter connected to LED Driver and using Power Supply



ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE. The information contained herein is believed to be reliable. Avi-on makes no warranty, representation or guarantee regarding the information contained herein, the suitability of the products for any particular purpose, or the continuing production of any product. Avi-on assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein, or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information.

