

# Plug Load Control

## Easy Regulatory Compliance

**Switched AC Power Output**  
20A Switched AC output, motor rated high cycle relay w/ zero cross triggering

**Supports Control Modes Wirelessly**  
Scheduled or sensor triggered operation (vacancy), building control or other network trigger.

**Persistent Memory**  
Internal non-volatile memory to preserves device settings, including groups and schedules through power cycles

**Regulatory Compliant**  
Title 24, ASHRAE 90.1, Washington State, New York State

**120/277VAC 50/60Hz**

**Certifications**  
UL 916, Plenum Rated (UL 2043), FCC/IC/BQB

**INSTALL THIS SIDE VISIBLE**

**Avi-on Plug-Load Control**  
Model no: AVI-XPLC-20A  
Contains FCC ID:2AF2-AV11010B  
Contains IC:20544-AV11010B  
CAN ICES-005 (B) / NMB-005 (B)  
Avi-on Labs, Inc., Park City, USA

**UL LISTED**  
Avi-on Plug-Load Control  
LIGHTING EQUIPMENT  
RETIRED

**FCC CE B**

**MAC E02B0E04E2D2**

## Product Overview

Avi-on's plug load controller includes a full 20A plug load rated zero cross relay along with an Avi-on module in a single, easy to install junction mounted, plenum rated package. Non-volatile memory preserves device settings, including groups and schedules. Compact at 140 x 65 x 48mm. Complies with Title 24, ASHRAE 90.1, Washington State, and New York State requirements for plug load controllers.

## Ordering Information

Part Number	Supply Voltage	Channels	Relay
AVI-XPLC-20A	120 / 277 VAC	Single	20 Amp

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

<b>Project</b>		<b>Location/ Type</b>	
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# Specifications

## Electrical

Specifications	Min	Max	Unit
Supply Voltage	110	277	VAC
Operating Current Consumption (off state)	17	20	mA
Ambient Operating Temperature	+14	+50	°C
Load Rating: Plug Load	-	20	A
Load Rating: Tungsten (Incandescent)		20	A
Load Rating: Motors		1	Hp

## Terminal Connections

Signal Name	Wire Color	Description
277 AC VOLTAGE (LINE)	YELLOW	AC 277VAC
110 AC VOLTAGE (LINE)	BLACK	AC 110VAC
NEUTRAL	WHITE	AC Neutral/Common
Switched Load	BLUE	Load or Neutral
Switched Load	BLUE	Load or Neutral

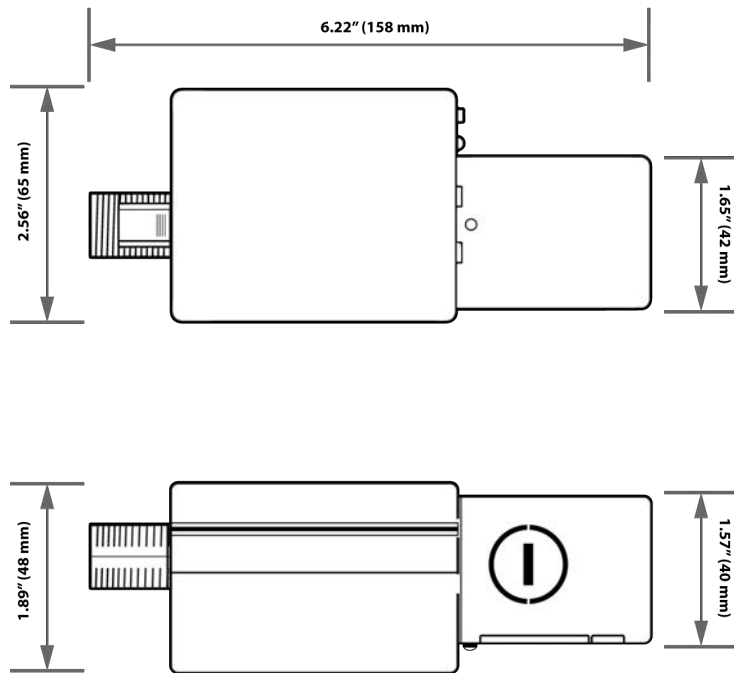
## Case Dimensions (Excluding Wires)

Part	Length	Width	Height
All	6.22" (158 mm)	2.56" (65 mm)	1.89" (48 mm)

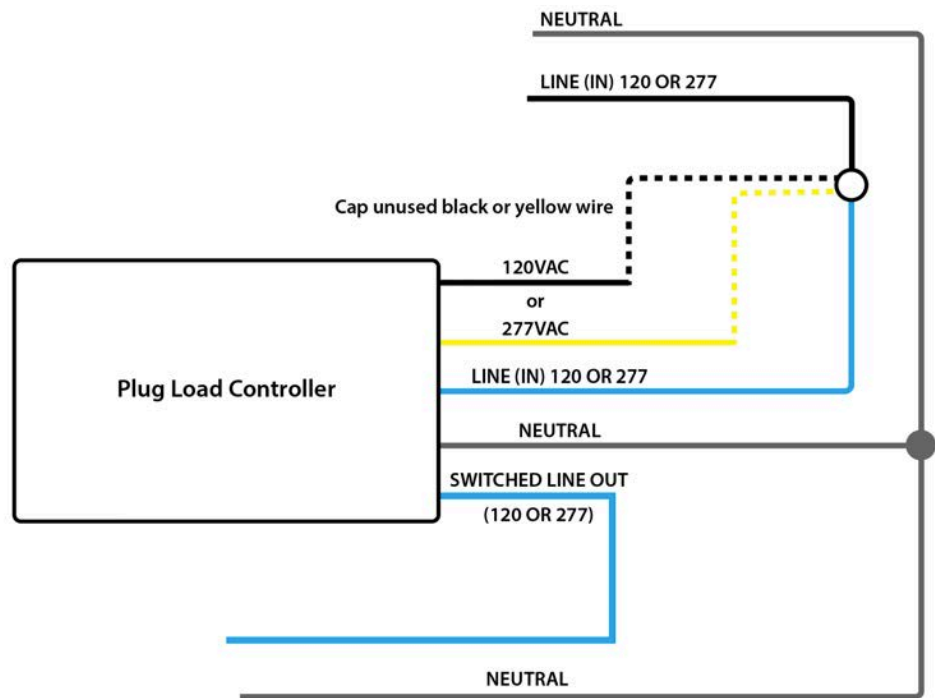
## Certifications

Regulatory	Description
FCC	FCC: 2AFZI-AV11010B 15.207; 15.247(d), (a)(2), (b)(3), (e); 15.203; 15.209/205
CE	E: 0700 Model: AV11010 RoHS (2011/65/EU)
Canada	IC: 20544-AV11010B RSS-247: 8.8, 5.5, 5.2(1)(2), 5.4(4) RSS-Gen
BQB	DID: D031801 Qualified Design ID: 86303
UL/Other	UL916/60730-1 UL 2043

# Dimensions and Wiring Diagrams



**Figure 1. Dimensions**



**Figure 2. Wiring Diagram**

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