

Keilton + autani

FA102 Series Integrated Fixture Adapter



FA102

Description

The FA102 Integrated Fixture Adapter enables Luminaire Level Lighting Control (LLLC) capabilities in a miniature design with integrated “sensor-ready” functionality. It is powered by 12VDC input from dimmable dim-to-off LED drivers and provides connectivity to non-Bluetooth, eco-sensors.

Features

- 12VDC input
- Integral Bluetooth module
- Designed for integration into luminaires to provide luminaire level lighting control (LLLC)
- Sensor-ready attachment port for Keilton+autani Eco Sensors
- 0-10V output (FA102.A3-BLE4.2, FA102.C1)
- Dual 0-10V output (FA102.C2)
- PWM Dimming (FA102.D1)

Requirements

- Requires both a CC (sensor) and FC (fixture) cable. Not included.
- Eco Sensor (see Eco Sensor Specification Sheet)

Specifications

Input Voltage	DC 12V
Input Current	45mA Max
Input Power	0.5W
Output Voltage	DC 10V
Output Current	10mA Max
Output Power	0.1W
Dimming	Class 2, 0-10V DC 10mA Max
Sinking Current	10mA Max
Bluetooth Transmit	200ft Max
Radio Frequency	2.4GHz ± 75MHz
Bluetooth Version	5.0
Housing Material	UL 94-V0
Indoor/Outdoor Use	Indoor
Operating Temperature	-30°C to 55°C, -22°F to 131°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP20
Color	White
Warranty	5 year warranty
Compliance	UL8750, UL1376, RoHs
Safety	cULus Recognized Component LED Controller E504054 FCC ID: 2A26YLT KT VT 2021 DID: D057145 DLC: NLTRC5KL0TN

Ordering Information

Model	Eco Sensor Model	Sensor Input	Dimming Output	CC30/60/120 ECO CONNECTOR***	FC30/60 Adaptor Connector****
FA102.A3 (BLE4.2)	IFS105E IFS108E	PIR, DLH*	0-10VDC	X	X
FA102.C1	IFS105E IFS108E	PIR, DLH*	0-10VDC	X	X
	MWS105E MWS108E	Microwave			
FA102.C2	IFS105E IFS108E MWS105E** MWS108E**	Microwave, PIR, DLH*	Dual 0-10VDC (CCT)	X	X
FA102.D1	IFS105E IFS108E MWS105E** MWS108E**	Microwave, PIR, DLH*	0-10VDC + PWM	X	X

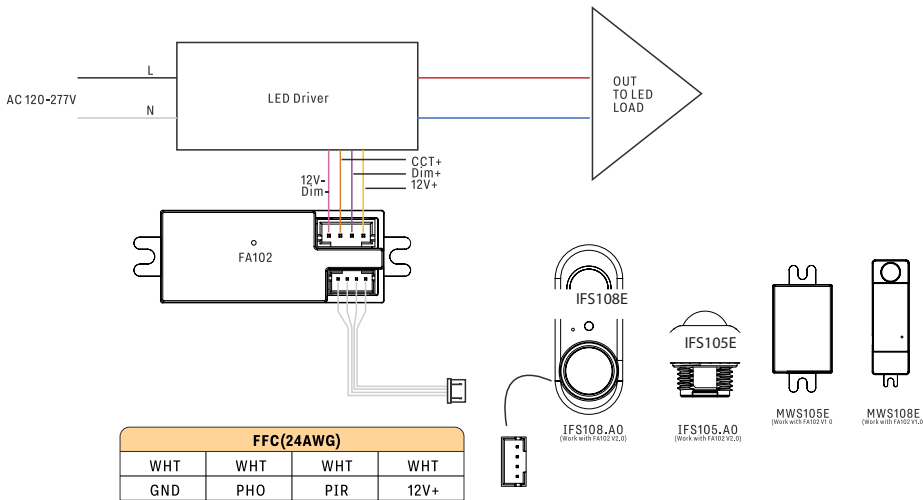
* DLH - Daylight Harvesting (DLH)
** Does not have DLH
*** CC30/60/120 ECO cable connector - Used to plug ECO Sense family of sensors into FA102 Adaptor
****FC30/60 cable connector from FA102 Adaptor to driver

Accessory Ordering Information

Model	Description
CC30	2468 24AWG white 300V 80°C Length:300mm, PH2.0-4P on both side cable between adaptor and sensor
CC60	2468 24AWG white 300V 80°C Length:600mm, PH2.0-4P on both side cable between adaptor and sensor
CC120	2468 24AWG white 300V 80°C Length:1200mm, PH2.0-4P on both side cable between adaptor and sensor
FC30	1007 22AWG white 300V 80°C Length:300mm, XH2.54-4P on left side cable (to FA102), dip tin 10mm on right side (to LED driver)
FC60	1007 22AWG white 300V 80°C Length:600mm, X H2.54-4P on left side cable (to FA102), dip tin 10mm on right side (to LED driver)
IFS105E	PIR, DLH sensor, Eco-Sensor
IFS108E	PIR, DLH sensor, Eco-Sensor
MWS105E	Microwave Eco Sensor
MWS108E	Microwave Eco Sensor

Wiring

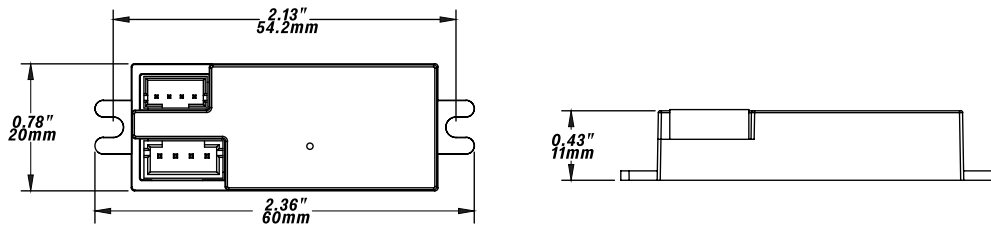
FA102



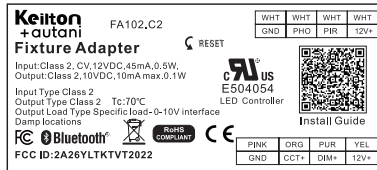
Dimensions

Unit:inch/mm

FA102



Product Label



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