

WIRELESS

ENOCEAN WIRELESS DIMMER/CONTROLLER E9X-DXXFP SERIES

DESCRIPTION

The ILLUMRA E9X-DxxFP Series Dimmers respond to wireless light switches and transmitters to control dimmable LED power supplies or dimmable fluorescent ballasts. The dimmer can also turn off or dim lights based on signals from wireless or wired sensors detecting occupancy or available natural light. The wirelessly controlled LED dimmer is perfect for energy-saving applications such as architectural dimming, daylighting, load shedding, and manual ON / automatic OFF control. The dimmer may also be used for custom lighting applications.

FEATURES

- Requires no switch leg wires
- Variable or ON/OFF control of LEDs, fluorescent lights, or actuators
- Transmitter can control unlimited dimmers in range



E9X-DxxFP



SPECIFICATIONS

DEVICE OPERATION

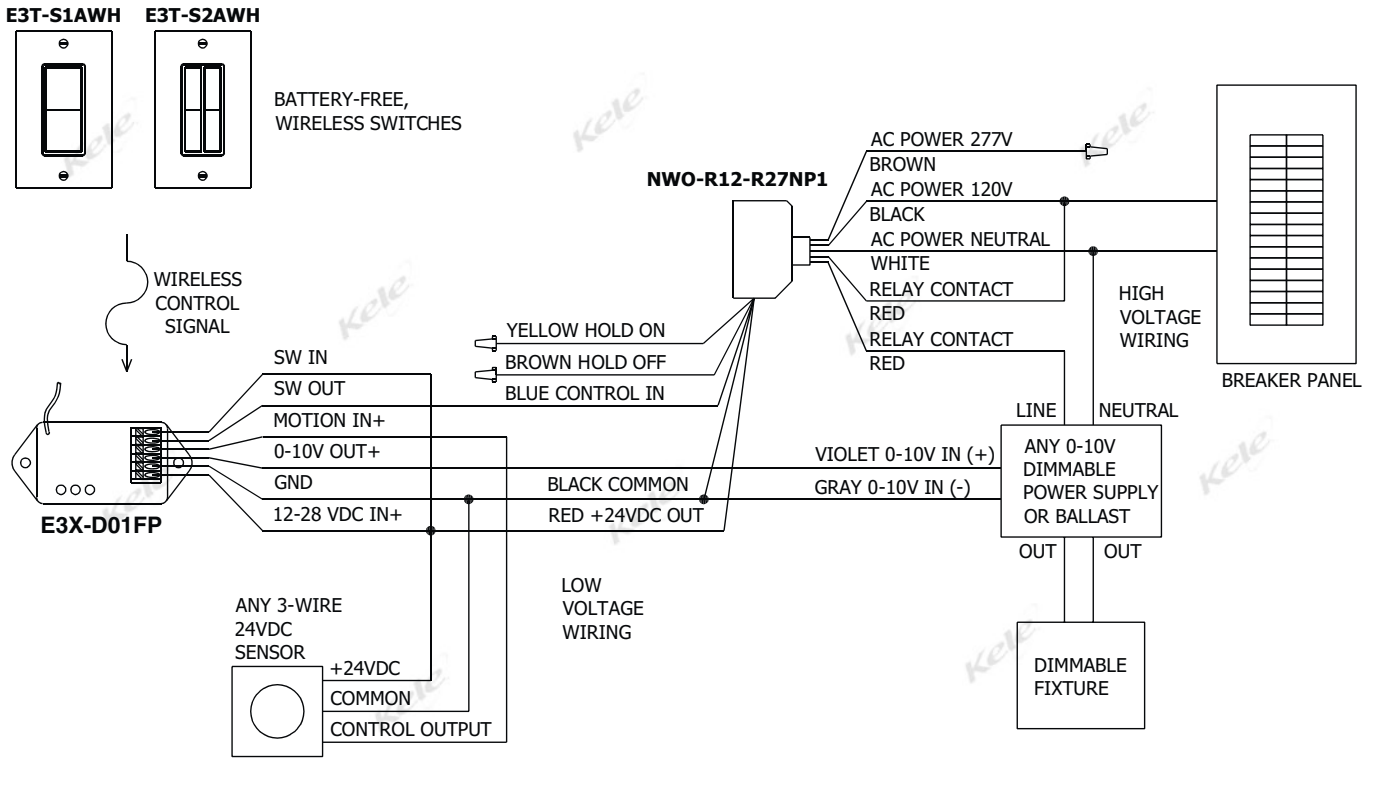
Supply Voltage	8-30VDC, 40mA
Sensor Type	Input from up to 30 switch IDs
Transmitted Range Value	Can function as an EnOcean repeater
Outputs	Dimming output
E3X-D01FP	AO-0-10VDC ballast sync output and DO-SPST 30VDC @5A
E3X-D02FP	PWM-Direct power to LED fixture (5A @ 12 or 24 VDC)
E3X-D02FP-M	PWM-Direct power to LED fixture (5A @ 12 or 24 VDC)
Inputs	Optional hard wired input overrides
E3X-D0	Occupancy 24VDC input
E3X-D02	Dimming input 0-10VDC light sync input
Indication	1 green power LED
Controls	2 buttons through hole, (Learn, Clear)
Mounting	Panel mount w/ 2 screws
Wiring	6 terminals (2-PWR, 4 control in & out)
Operating Temperature	-13° to 140°F (-25° to 60°C)
Operating Humidity	0 to 95% RH, non-condensing
Construction	ABS Plastic, UL94 V-0
Color	White
Enclosure Rating	NEMA 1 (IP40)
Dimensions	1.30"W x 2.88"H x 0.67"D (3.30 x 7.32 x 1.70 cm)
Weight	0.1 lbs (0.05 Kg)
Warranty	3 years

RADIO TRANSCIVER

Protocol	EnOcean
Frequency	902 MHz, (Classic 315 MHz available on request)
Modulation	Direct Sequence Spread Spectrum (DSSS)
Transmit Power	10 mW (10 dBm), If used as a repeater
Receiver Sensitivity	-102 dB
Open Air Range	50-150 ft (45m)
Update Interval	Continuous reception to each transmission it's trained to
Lost Comm. Fail Safe	None
Antenna	Internal
Channels	One
Device Addresses	100 transmissions per minute
Programming	Push button in field
EnOcean Equipment Profile	EEP #, Defines payload and control sequence use
Light Switches	F6-02-01, F6-02-02, F6-03-01, F6-03-02
Key Card Switch	F6-02-01, F6-02-02, F6-04-01,
SLT Wireless Sensor	F6-02-01, F6-02-02,
Occupancy Sensors	A5-07-01, A5-07-02, A5-07-03
Door/Window Sensor	D5-00-01, A5-30-01
Light Sensor	A5-06-01, A5-06-02
Central Commands	A5-38-08
Repeater Capable	Yes, (can increase open air range x2)
Compliance	RoHS, CE, UL244A, CSAc22.2#14-05
900 MHz	FCC ID# SZV-TCM2XXU, IC# 5713A-TCM2XXU
315 MHz	FCC ID# SZV-TCM2XXC, IC# 5713A-TCM2XXC



WIRING



ORDERING INFORMATION

MODEL †
E9X-D01FP
E9X-D02FP
E9X-D02FP-M

DESCRIPTION

Wireless 0-10V dimmable ballast controller, on/off control, 12-30VDC, 902 MHz
Wireless constant 0-28 VDC voltage LED dimmer, PWM, 8-30VDC, 902 MHz
Wireless constant 0-28 VDC voltage LED dimmer, master, 902 MHz

† Add -315 for 315 MHz at the end of the part number to order.

DCPA-1.2
DCP-1.5-W

RELATED PRODUCTS

Power supply, 120 VAC In to 24 VAC/24 VDC Out
Power supply, 24 VAC IN to 24 VDC OUT