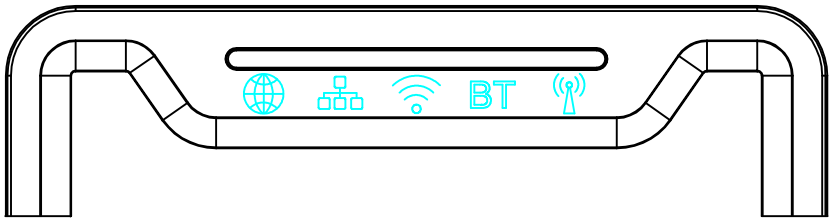
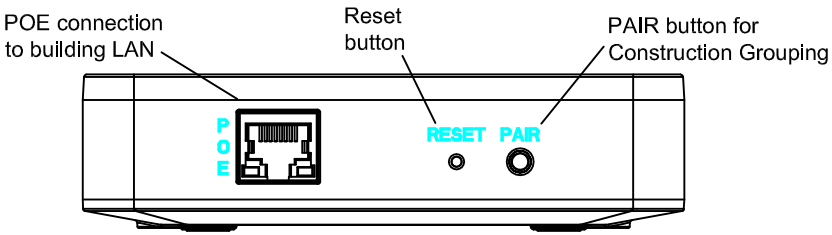


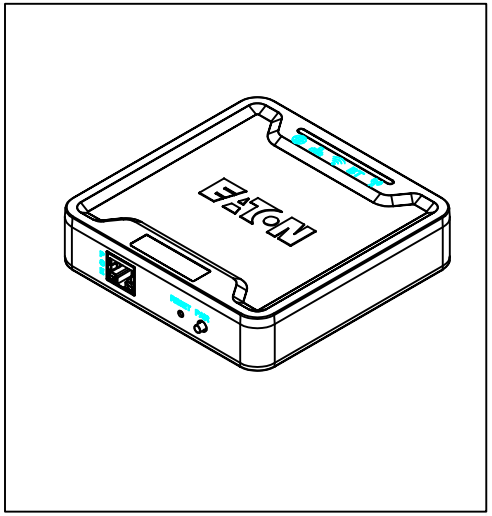
	LED Color	On	Off	Blink	Fast Blink
WAN	Green	Connection to OpenADH or 3rd party	Normal	Communications from 3rd party	
LAN	Green	Connected to building LAN and received IP address	No connection or IP address from building LAN	Communications from LAN. During internal webpage setup	
WiFi	Blue	Connected to building LAN and received IP address	No connection or IP address from building LAN	Communications from LAN. During internal webpage setup	When login UN/PW are reset
PAN	Blue	Future functionality	Future functionality	Future functionality	Future functionality
802.15.4	Blue	WaveLinx network is formed	No WaveLinx devices are paired	During Construction Grouping and WaveLinx Communications	When WAC is set to Factory Defaults
Eaton	Blue	WAC is powered and running	WAC has no PoE connection		



PAIR button functionality

Using the PAIR button on the Wireless Area Controller allows you to add or remove devices to the WaveLinx system, reset building network login information and restore factory defaults.

	PAIR button press	Device outcome	WAC LED feedback
Enter Construction Group	1 press	Dim to 10%	IEEE 802.15.4 LED blinks
Leave Construction Group	1 press (after enter Construction group)	Raise to 75%	IEEE 802.15.4 LED ON
Remove Devices Default Area	Press and hold for 4 seconds	Devices in Default Area leave WaveLinx network	
Reset administrator and WiFi UN/PW	Press and Hold for 20 seconds		Wi-Fi LED fast blink
Factory Defaults	Power cycle WAC Press and hold for 30 seconds	All devices and programming cleared from WAC	All LEDs fast blink for 1 minute



WaveLinx design best practices

Design Consideration	Best Practice	Maximum
Gateway/WAC Range	150 feet-250 feet LOS	300 feet LOS
Number of Interior Walls	2 walls	3 walls
Distance from WAC to 1st WCL Device	150 feet	200 feet
Distance between WCL Devices	75 feet	150 feet
Number of Hops from WAC	4 hops	5 hops
Number of Areas per WAC	16	16
Number of Zones per Area	3	16
Number of Scenes per Area	6	10

WaveLinx
WIRING DIAGRAM

TITLE: LIGHTING CONTROLS
Wireless Area Controller (WAC-POE)

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CH'KD: X.X.	SCALE: NTS		
APPR: X.X.	SHEET: 1/1	DWG #:	E6_4
	SIZE:		

DATE	REV	DESCRIPTION	BY
		REVISION TABLE	