

CBU-A2D-20-TRACK

The A2D controller performs two functions at once: It creates a wireless CASAMBI network node and a wired DALI infrastructure serving up to 10 luminaires. The device has a built-in DALI power supply giving 20mA of current to your luminaires.



≡ Gates

♥ BLE Mesh, DALI, DALI-2, Track 230V

Description

The controller plugs directly into the 3-phase bus + DALI line (Global XTSC standard). When plugged into the bus, the controller controls up to 10 luminaires in DALI Broadcast mode. It is worth noting that this product also supports the DALI DT8 standard, which makes it possible to control Tunable White and RGB luminaires.

The controller can only work with DALI or DALI2 luminaires, but Casambi switches and sensors as well as dedicated EnOcean switches can be used in the lighting system. This approach greatly simplifies the lighting project.

In the Casambi application, the controller is visible as a single control point so paired Casambi sensors affect all luminaires connected to it. If you want to control luminaires independently use CBU-1016-40-TRACK.

You'll access all functions through the dedicated Casambi APP software (downloadable on the Apple App Store or Google Play Store).

Additional information

How many control points will it support?	10	
Practical range [m]	50	In "Balanced" mode, where speed and range are optimized for networks of up to 100 nodes.
	30	In "Best Performance" mode, where network speed is achieved at the expense of ranges between nodes
How much power does it control? [W]	Calculate	Depends on the sum of the powers of the connected DALI power supplies
Supply voltage [V]	230	
Current [mA]	2	
Maximum DALI line current [mA]	Do not connect external DALI power supplies!	The controller is not designed to work with more current than it puts out at the output itself.
Guaranteed DALI line current [mA]	20	
Operating frequency [Mhz]	2400	Channels in the range of 2402 to 2480 Mhz
Maximum RF transmitter power [dBm]	+8	This is the power measured at the antenna before the housing is mounted, and the ranges depend on many external factors, so use the "practical range" parameter.
Operating temperatures [oC]	-20 to +65	
Maximum humidity [%]	80	Without water vapor condensation, because at a humidity of e.g. 80%, cooling the air causes the vapor to condense, which is harmful to electrical devices.
IP protection class [xy]	20	IP20 protection means that the device is protected against the ingress of solid objects larger than 12 mm in diameter (e.g. fingers), but does not provide protection against water. This is a basic protection standard, used in devices intended for use in dry rooms, where there is no exposure to dust or moisture.
IK protection class [xy]	Not tested	The operating conditions of the device do not provide for mechanical shocks during installation and normal operation.
Overall dimensions L x W x H [mm]	104 x 80 x 108	
Extra Dimensions [mm]	Base diameter 80mm	
Housing material	Polyamide PA	
Weight [g]	130	
Connection	Busbar 230V	Make sure that the adapter and luminaires are compatible with the DALI track system and support DALI control. The adapter must be correctly plugged into the track. Make sure that the contacts are correctly positioned and the adapter is securely attached. Pay attention to the direction of the adapter installation, in accordance with the track manufacturer's instructions, to ensure a correct connection, first connect the power supply and then the control.
Color	Black	...any color You like as long as is black ;)