

Applica	nt/Grantee	Leviton Man	ufacturin	g Co I	nc	
FCC ID	:	2ASLN-ZL07	7S			
		Sect	tion 15.21		dular Transmitters	
Request	for Modular	Approval		est for Limited Modular Approval		
Requirements					EUT Conditions	Comply (Y/N)
		Singl	e Modula	ır App	roval Requirements	•
1	must have the crystal and tur	ments of the mod ir own shielding ning capacitors n e shielded radio e	. The phys	ical	The device does not meet this requirement – limited modular approval is requested.	No
2	modulation/da provided) to e comply with l	transmitter must ata inputs (if such ensure that the management Part 15 requirement excessive data ra	h inputs ar odule will ents under	e	The module is tested for LE Bluetooth 5.x & ZigBee protocol and all the TX-RX modulation schemes were found in compliance.	Yes
3	The modular power supply	transmitter must regulation.	have its ov	vn	The module integrates on-board linear regulator and radio circuit power supplies to maintain power supply requirements.	Yes
4	antenna and trof Sections 15 The antenna rattached or encoupler (at all module and the "profession 15.20 but can apply under paragra	transmitter must cansmission system 5.203, 15.204(b) nust either be per imploy a "unique" connections bet ne antenna, inclu- onal installation" 3 is not applicab- to limited moduli ph (b) of this sec	em require and 15.204 rmanently antenna ween the ding the car provision le to modular approvation.	ments 4(c). able). of als	The module includes a wire antenna with set of antenna tuning values to maintain compliance for different host devices.	Yes
5	stand-alone comust not be intesting for conrequirements. will be battery the AC line consection 15.20 data input/out module must will be marke 15.27(a)). The the length typlength is unknown insure that the case of the machine and accessoring equipment contesting shall be interested.	transmitter must configuration, <i>i.e.</i> , aside another development and the result of th	the modurice during art 15 mitter modured st comply ments four wer lines at ted to the res, unless lule (see Solines shall to or, if that centimeter g between tring equipor support odule during d commerced.	lule with and in and they ection be as to the ment.	As the device has no shield limited modular applies and requires testing of the device in a representative host system. Testing has been performed on the module in two different host devices to represent all-different hosts – refer to additional details at the end of this document.	N/A



6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. (A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number is not visible when the	The module has a label affixed. Please see the label exhibit for the label module and end-product label.	Yes
	module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1." Any similar wording		
	that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these		
	instructions must be included in the application for equipment authorization. (B) If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed		
	inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains FCC certified transmitter module(s)."		
7	Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.	The module is complicate with all	Voc
7	The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.	The module is compliant with all applicable FCC rules. Detailed instructions for remaining compliance are given in the User Manual (datasheet).	Yes
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	The module complies with RF exposure requirement. The module's application is intended to be used in wall mount products maintaining >20 cm distance from the user.	Yes

Dmitriy Moskovkin Manager Codes Standards & Compliance



RF exposure is addressed in the RF exposure exhibition.

A **limited modular approval** may be granted for single or split modular transmitters that do not comply with all of the above requirements, *e.g.*, shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Part 15 requirements under the operating conditions in which the transmitter will be used. Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.



Host Device Considerations:

As this module has no shield it is subject to limited modular approval with approvals limited only to the host device, and substantially equivalent hosts, in which it was tested for compliance with radiated spurious emissions requirements.

The module is designed for use in Leviton's ceiling-mount products and there are currently eight different models of sensors that will use this module. Testing was performed on the module installed in units which we consider representing all different models.

The RF module itself consists of the RF circuitry and logic circuitry with some slightly different stuffing options on the logic circuitry. These changes do not affect the RF circuitry and are within the scope of a Permissive Change. In addition, the RF circuitry consists of wire antenna, set of antenna matching circuitry which is used to best match antenna and RF output based on the power board portion of the host switch. Full details are provided in the Operational Description exhibit.

The end-product assembly (host) can support switch functions, optional sensors, flash, dimming functions or DALI communication. The different options for each of the eight-host end-product assemblies are described below.

The host versions tested are ZL07S-N00, ZL070-N00, ZL0DS-N00, ZL0D0-N00, ZLD7S-N00, ZLD70-N00 & ZLDD0-N00.

	LIMITED MODULAR APPROVAL FOR LOGIC BOARD												
FCC ID#	ISED ID#	Serial #	Leviton Part#	Configuration Power/		Logic PCB			Power PCB			-	
				Dimming Technology	Sensor	РСВ	Antenna Tuning	Assembly Variant	Assembly Difference	РСВ	Assembly Variant		Voltage
2ASLN-ZL07S	25037-ZL07S	1	ZL07S-N00		Yes	B9604		D01		B9286	D01		12- 24 VDC
		2	ZL070-N00	AUX 0-10V	No		Tuning #1	D11	D01 w/o Sensor components		D02	D01 w/o Sensor components	
		3	ZLODS-NO0	DALI	Yes			D02	D01 with DALI config	B9288	D01		DALI
		4	ZLODO-NOO		No			D12	D02 w/o Sensor components		D02	D01 w/o Sensor components	
	25037-ZL07S	5	ZLD7S-N00	AUX 0-10V	Yes			D21	D01 with BLE config	B9286	D01		12- 24 VDC
2ASLN-ZL07S		6	ZLD70-N00		No			D31	D21 w/o Sensor components		D02	D01 w/o Sensor components	
		7	ZLDDS-N00	,	Yes			D22	D21 with DALI config	B9288	D01		DALI
		8	ZLDD0-N00	DALI	No			D32	D22 w/o Sensor components		D02	D01 w/o Sensor components	

Sincerely,

Dnitoy Mostocker

Dmitriy Moskovkin