Product Specification: ZL-LD-100						
Description: Z-Wave Water	r Leak Sensor Symbol	Conditions	Min	Nom	Max	Unit
General	Symbol	Conditions	IVIIII	NOIII	IVIAX	Offic
Operating Temperature Storage Temperature	To Ts	Normal Operating conditions	-4		122 140	<u> </u>
Electrical Ratings			-4		-	<u> </u>
Line Power Input Voltage Battery Power Input Voltage	Vin	DC Input via Micro USB external power supply	4.55	5	5.2	Vdc
Battery Type	Btype	AAA x 3				
Operating current Standby current	lop Isb	Transmission current with fresh AAA x 3 batteries No transmit current with fresh AAA x 3 batteries		55 10	70 20	mA uA
Battery Life without USB power	ISD	INO transmit current with fresh AAA x 3 batteries		10	20	uA
Water sensor	Blife LowBatt	Assume 1 detection per week	2.9	3.05	3	months Vdc
Low Battery Indicator Temperature Sensor	Temp	+/- 1.5 degree C Accuracy over range.	32.0	3.05	122	F
RF/Telemetry Ratings						
Z-Wave Chip Z-Wave Frequency for USA at 40	l Okps	500 Series ZM5101 908.4 MHz	-0.025	908.4	+0.025	MHz
Wireless Range (controller & rep		at open air, 1 meters high, LOS	0.020	132	70.020	ft
Modulation Tx Power		FSK		-1		dBm
Rx Sensitivity		At 9.6kps At 40kps		-102 -98		dBm dBm
Controls and Indicators		Αι τυκρο		-90		dDill
Controls		1 button for inclusion/exclusion				
Programming Default conditions		See attached See attached				
Critical Components and I	Mechanical		Min	Nom	Max	Unit
Z-Wave Chip Sensor Ics		ZM5101 TMP75C(temp)				
I/O Connectors		3.5mm jack, Micro USB for power support				
Body Dimensions Primary Color		W 75 mm X L 80 mm X H 28 mm White				
Primary Color Body Material		VVIIILG				
Battery type (not included)		AAA x 3				
Command Classes						
COMMAND_CLASS_ZWAVEPL	US_INFO,					
COMMAND_CLASS_ASSOCIAT	·					
COMMAND_CLASS_ASSOCIAT COMMAND_CLASS_TRANSPO						
COMMAND_CLASS_VERSION,						
COMMAND_CLASS_MANUFACCOMMAND_CLASS_DEVICE_R		T				
COMMAND_CLASS_POWERLE						
COMMAND_CLASS_BATTERY,						
COMMAND_CLASS_SECURITY COMMAND_CLASS_NOTIFICAT						
COMMAND_CLASS_WAKE_UP	,					
COMMAND_CLASS_CONFIGUE COMMAND_CLASS_SENSOR_I						
COMMAND_CLASS_SUPERVIS	ION,					
COMMAND_CLASS_FIRMWARI						
		L Ipported on micro USB power mode)				
		. , , , , , , , , , , , , , , , , , , ,				
Association Groups Croup 1: Lifeling communication	vou con consiste i	up to five Z-Wave devices to Group 1, it supports:				
1. BATTERY_REPORT	you can associate t	by to live Z-wave devices to Group 1, it supports.				
2. NOTIFICATION_REPORT	227					
3. SENSOR_MULTILEVEL_REP 4. DEVICE RESET LOCALLY I						
		ave devices to Group 2. LD-100 will send a Basic Seauto shut-off valve, when water is detected.	et to the a	associate	ed devices	5,
	zngaging ine waler a	T	<u> </u>			
Notificiation Types	Cupports - I F					
Description Water Alarm	Supported Event 0x05					
Water Leak Detected	0x02					
No Water Detected	0x00	<u> </u>				
Parameters						
Number	Values	Description	Default	Bytes		
2	0= every 10 minutes	Beep and notification frequency once water is		_		
2	1= every 5 min.	detected	0	1		
3	2= every 30 min. 30-255 seconds	Temperature reporting interval on USB power	60	1		
4	0= Disabled	Notification buzzer	1	1		
4	1= Enabled	TOUTOUTOTT DUZZOT	'	1	<u> </u>	
Market Specific Requireme	ents					
Parameter	<u>. </u>	Description				_
FCC and Industry Canada UL Listed, US Canada		FCC (U2Zxxxx) and IC(6924A-xxxx) No UL Required				
Z-Wave Plus Certified		Certified per the Z-Wave Plus requirements				
Special Features		<u> </u>				
Product Marking Requiren	nents					
Parameter		Description or Reference			na ina-	
Identification Marking on the Production Date Code Marking on the Production		Rating, Model, URL, Wire Markings S	bee Produ	uct iviarki	ng jpeg	
Note: Technology to attach cop		ng standards, as necessary.				
Supplied Parts	Ι					
Required Fixtures		Conditions	<u> </u>		<u> </u>	
Instruction manual		Qty=1				