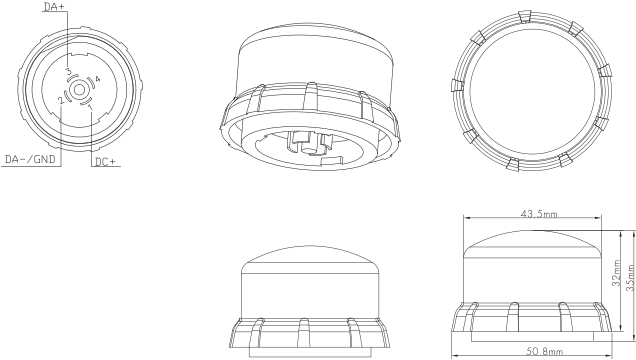
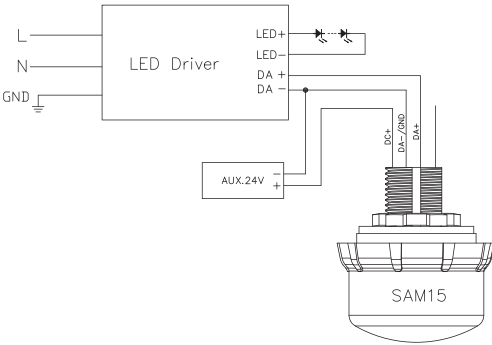
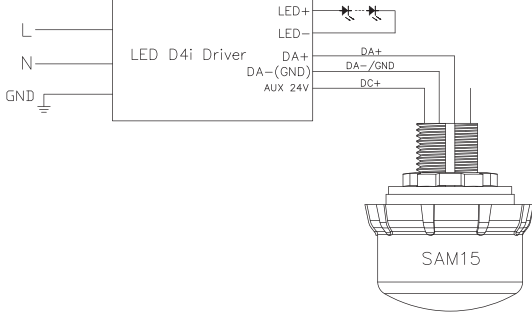
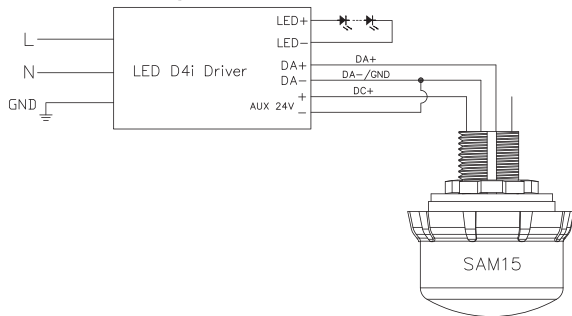
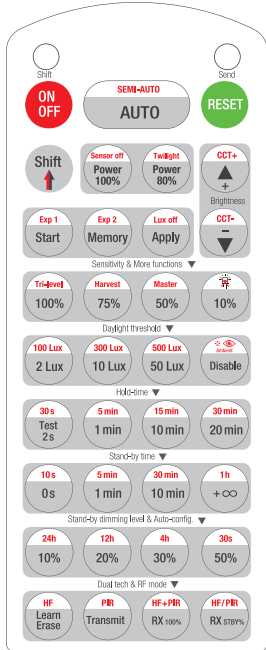


1 Safety Information ! WARNING - Installation by a qualified electrician only and in accordance with local electrical regulations. - Disconnect mains power before installation, wiring, maintenance or replacement. - Failure to follow the wiring diagram may result in product damage and malfunction. - Do not connect mains voltage (L/N) to the DALI terminals. - For polarity-marked DALI terminals (DA+/DA-), observe correct DALI polarity. - For non-polarity-marked DALI terminals (DA/DA), DALI wiring is polarity-free. - Terminal block 4 is left unpopulated by default. No wiring required. - For reliable operation, ensure atleast one DALI PSU is present on the bus. If multiple PSUs are connected in parallel, the total output must not exceed 250 mA. (For better compatibility, a single PSU is recommended.) - DALI Bus Current Notes. Typical DALI bus current consumption per driver is approximately 2 mA. Before installation, calculate the total bus current consumption of all devices connected to the same DALI bus. Ensure that the total current consumption does not exceed the guaranteed supply current of the DALI bus power supply, and allow sufficient system margin. - DALI-2 Compliance 1. This product has been tested in accordance with IEC 62386 and complies with the relevant DALI-2 application parts. DALI-2 testing was performed using the official DALI test sequence software (version 2.5.0.0), covering the applicable IEC 62386 parts (e.g. Part 101, Part 103). DALI-2 certification verifies compliance within the defined test scope. However, certification does not eliminate the possibility of system-level compatibility issues arising from differences in device implementation or system design among manufacturers. Therefore, functional verification and on-site testing are required as part of the final system commissioning to ensure proper operation and compliance with project requirements.	2 Specifications <table><tr><td>Dimming (Output) Interface</td><td>DALI/DALI-2</td></tr><tr><td>Connector Type</td><td>Zhaga book 18</td></tr><tr><td>Auxiliary Supply Voltage</td><td>24VDC</td></tr><tr><td>Stand-by Power (Psb)</td><td><0.5W</td></tr><tr><td>DALI Bus Maximum Rated Current (I_{n max})</td><td>50 mA</td></tr><tr><td>DALI Bus Nominal DC Voltage Range (Un)</td><td>16 V</td></tr><tr><td>DALI Bus Nominal Current (I Guaranteed)</td><td>30 mA</td></tr><tr><td>Auxiliary Supply Current Consumption</td><td>25mA</td></tr><tr><td>HF Transmission Power</td><td><0.2mW (HF)</td></tr><tr><td>Detection Angle</td><td>360°</td></tr><tr><td>Lux Range</td><td><1000 lux</td></tr><tr><td>Max. Detection Range (Diameter)</td><td>20.0 m</td></tr><tr><td>Maximum Mounting Height</td><td>15.0 m</td></tr><tr><td>Sensitivity</td><td>10% / 50% / 75% / 100%</td></tr><tr><td>HF Operating Frequency (Ghz)</td><td>5.8Ghz+/-75MHz</td></tr><tr><td>Detection Methods</td><td>Microwave (MW)</td></tr><tr><td>Ambient Temperature</td><td>-20 ~ +50 °C</td></tr><tr><td>Storage Temperature</td><td>-40 ~ +70 °C</td></tr><tr><td>Humidity max</td><td>10 ~ 90%</td></tr><tr><td>IP Rate</td><td>IP65</td></tr><tr><td>Insulation</td><td>Class II</td></tr></table>	Dimming (Output) Interface	DALI/DALI-2	Connector Type	Zhaga book 18	Auxiliary Supply Voltage	24VDC	Stand-by Power (Psb)	<0.5W	DALI Bus Maximum Rated Current (I _{n max})	50 mA	DALI Bus Nominal DC Voltage Range (Un)	16 V	DALI Bus Nominal Current (I Guaranteed)	30 mA	Auxiliary Supply Current Consumption	25mA	HF Transmission Power	<0.2mW (HF)	Detection Angle	360°	Lux Range	<1000 lux	Max. Detection Range (Diameter)	20.0 m	Maximum Mounting Height	15.0 m	Sensitivity	10% / 50% / 75% / 100%	HF Operating Frequency (Ghz)	5.8Ghz+/-75MHz	Detection Methods	Microwave (MW)	Ambient Temperature	-20 ~ +50 °C	Storage Temperature	-40 ~ +70 °C	Humidity max	10 ~ 90%	IP Rate	IP65	Insulation	Class II
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3 Technical Drawing (Unit: mm) 	4 Wiring Diagram Standard Driver with External AUX Power  D4i Driver with Common Negative  D4i Driver with Isolated Negative 																																										
5 Installation Process 1 Remove the receptacle cap Unscrew and remove the protective cap from the receptacle before installation. 2 Install the sensor Align the large groove on the receptacle with the corresponding large protrusion on the sensor. Push the sensor upward firmly until fully seated, then rotate counterclockwise until a clear click is heard. Ensure the sensor cannot be pulled out to confirm it is securely locked. 3 Installation complete Note: - Any luminaire that complies with the Zhaga Book 18 standard allows plug-and-play connection by simply mating the pins with the base. - Socket not included, it must be supplied by the customer or purchased separately.																																											

6 HRC-11 Remote Control Quick Guide



	Press "ON/OFF" to set the luminaire to permanent ON or OFF mode. Press "AUTO" or "RESET" to exit this mode and resume normal sensor mode. *Note: After mains power is disconnected and restored, the sensor will automatically return to AUTO mode.
	Press "RESET" in any state to resume the sensor to AUTO mode. For models with DIP or rotary switches, the parameters will follow the current DIP or rotary settings. For models without DIP or rotary switches, the parameters will restore the factory default settings. Resettable parameters: operating mode, brightness, sensitivity, hold-time, stand-by time and daylight threshold. *This product is set by default to: Auto mode; DALI Master mode; Detection range 100%; Hold-time 5min; Daylight sensor disable; Stand-by time 10min; Stand-by dimming level 20%; Maximum Brightness & Color turning; LED indication off; Lux off activated; HF detection mode.
	Press "Shift" to activate the auxiliary function layer. The top-left indicator will light up for 20sec, indicating the mode selection status. Each button will switch to the red-marked function shown on its upper half.
AUTO	Press "AUTO" to enter automatic sensing mode. The sensor will exit ON/OFF and SEMI-AUTO mode and resume automatic operation. All parameters will remain as previously set.
Sensor off	Press "Shift" first. After red indicator is on, press "Sensor off". In this mode, motion detection and daylight control are disabled, and the device works as a dimmer only. The system will memorize the last brightness level, CCT (if applicable) and ON/OFF status, regardless of ambient light.
Twilight	Press "Shift" first. After red indicator is on, press "Twilight". In this mode, motion detection is disabled and only daylight control remains active. The device works as a daylight sensor only. Press "AUTO", "SEMI-AUTO" or "RESET" to exit this mode.
Power 100% Power 80%	Press "Power 100%" or "Power 80%" to set the maximum brightness accordingly. The selected brightness will be memorized by the sensor. In OFF mode, pressing this button will turn on the luminaire and set the maximum brightness at the same time.
	Press this button to adjust the brightness of the luminaire. The transition from maximum to minimum brightness or vice versa takes 6–10 seconds. The dimming range is from 100% to 10%, and the actual maximum brightness is limited by the Power 80% / 100% setting. For daylight harvesting models, this button is used to adjust the target illuminance value (Lux). The daylight sensor measures the ambient daylight level and ignores the LED light output, then calculates how much artificial lighting is required to maintain the target lux level.
CCT+ CCT-	Press "Shift" first. After red indicator is on, press "CCT+" or "CCT-" to adjust the colour temperature. The transition from lowest to highest CCT takes about 6sec.
Start Memory Apply	Press "Start" to enter study mode. Select the required parameters in according area (Sensitivity, Daylight threshold, Hold time, Stand-by time and Stand-by dimming level). Press "Memory" to store the parameters, then press "Apply" to send the parameters to the sensor. The same parameter group can be applied to multiple sensors at the same time. "RESET" will not clear the parameters stored in "Memory".
Lux off	Press "Shift" first. After red indicator is on, press "Lux off" to enable or disable this function. Indicator flashes 1sec when enabled, 2sec when disabled. "Lux off" function is enabled by default. During hold time and stand-by time, if ambient light remains above the preset threshold for more than 5min, the luminaire will switch OFF. When stand-by time is set to ∞, the luminaire will turn on automatically after ambient light meets the preset Lux condition for 10sec, and meanwhile enter the stand-by dimming level (Lux on). When "Lux off" function is disabled, the luminaire will not switch off automatically due to excessive ambient light and will operate only based on hold time and stand-by time settings.
100% 75% 50% 10%	In AUTO or SEMI-AUTO mode, press the buttons in "Sensitivity" area to set detection range as required. The setting overrides the DIP switch
Tri-level Harvest	Press "Shift" first. After red indicator is on: (a) press "Tri-level" to enter three-level sensing mode, or (b) press "Harvest" to enter daylight harvesting mode. The above two modes are interchangeable. (Daylight Harvest: the daylight sensor measures ambient daylight and ignores LED output, then calculates the required artificial light to maintain the target lux level.)
2 Lux 10 Lux 50 Lux 100 Lux 500 Lux 300 Lux 500 Lux	Press the buttons in "Daylight threshold" area to set starting Lux level as required. The setting will override the DIP switch settings and be stored in the sensor memory. Note: Red-marked options require pressing "Shift" first.
	Press "Shift" first. After red indicator is on, press "Ambient". The load will switch off and the sensor will learn the current ambient Lux and set it as the starting / target threshold. During learning, the buzzer will beep 5 times and then 1 long beep when completed. The system will store the current brightness and enters "AUTO" mode - the luminaire turns on only when motion is detected. If the learned Lux exceeds the device's saturation, the buzzer will beep 10 times rapidly and the daylight threshold will be set to Disable. *Note: if DIP switches equipped, its settings and remote settings override each other, and the latest setting takes priority.
Test 2s 30s 1 min 5 min 10 min 15 min 20 min 30 min	In "AUTO" or "SEMI-AUTO" mode, press the buttons in "Hold-time" area to set hold time as required. The setting will override the DIP switch settings and be stored in the sensor memory. *Note: • Red-marked options require pressing "Shift" first. • The 2s button is for test mode only. In this mode, stand-by time and daylight control are disabled. Press "RESET" or any buttons in "Hold-time" area to exit this mode.
0s 10s 1 min 5 min 10 min 30 min +∞ 1h	Press the buttons in "Stand-by time" area to set stand-by time as required. The setting will override the DIP switch settings and be stored in the sensor memory. Note: +∞ indicates bi-level control. In this mode, the luminaire turns on at 100% brightness if motion is detected, and switches to stand-by dimming level after the stand-by time. Meanwhile, the "Lux off" function is disabled. The luminaire will turn on and enter the stand-by dimming level only when ambient Lux is below the preset threshold.
10% 20% 30% 50%	Press the buttons in "Stand-by dimming level" area to set stand-by dimming level as required. The setting will override the DIP switch settings and be stored in the sensor memory.
24h 12h 4h 30s	Press Shift first, then select the required self-testing time. During the testing period, the luminaire stays at 100% brightness and will not switch off, and the sensor continuously measures ambient light to set the lowest value as the target lux level. After completion, the sensor will enter "AUTO" mode with all other parameters unchanged. *Note: the self-testing period must include nighttime. This function is only available for daylight harvesting products.

Note: Only shows the remote-control functions supported by this product. Functions not shown are not available for this product. For the complete remote controller function list, please refer to the product datasheet.

7 Troubleshooting

Malfunction	Possible Cause	Remedy
Fixture does not light up	Incorrect daylight threshold setting	Adjust daylight threshold setting
	Faulty fixture	Replace fixture
	No power supply	Check power to sensor
	Detection zone not targeted	Check detection area setting
Fixture is always on	Continued movement in the detection zone	Check detection area setting
Fixture turns on unexpectedly	Sudden temperature change, airflow, open windows or weather influence	Adjust zone, change installation site