

SUNRICHER 2026



For American Market

SILVAIR NLC Bluetooth® System

2026

Technology Partner

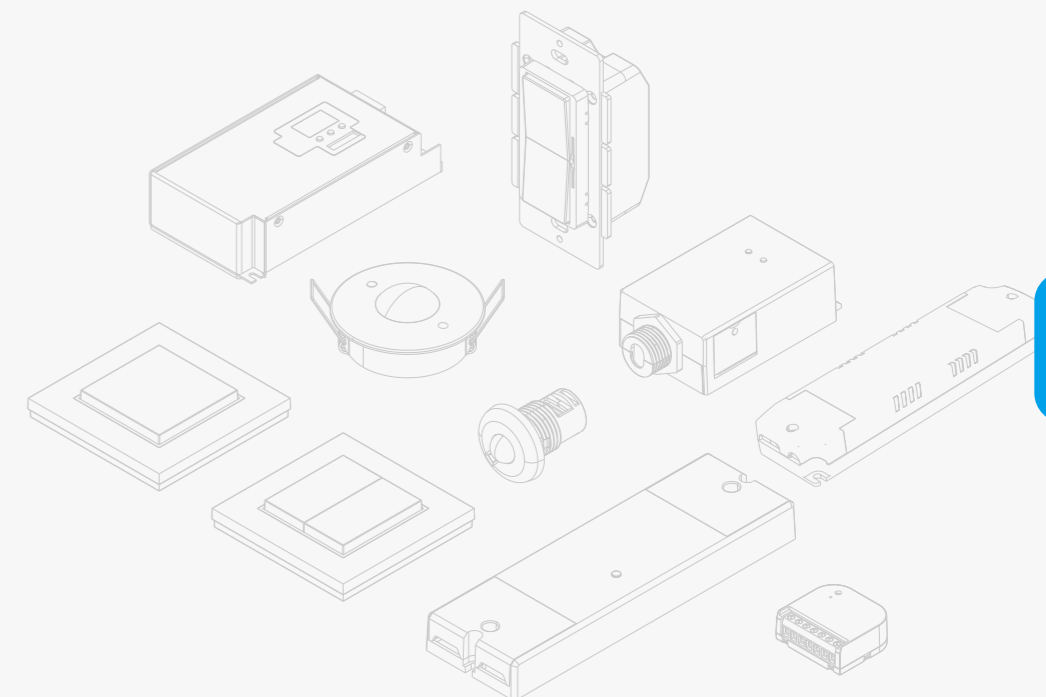
SILVAIR Work with Silvair



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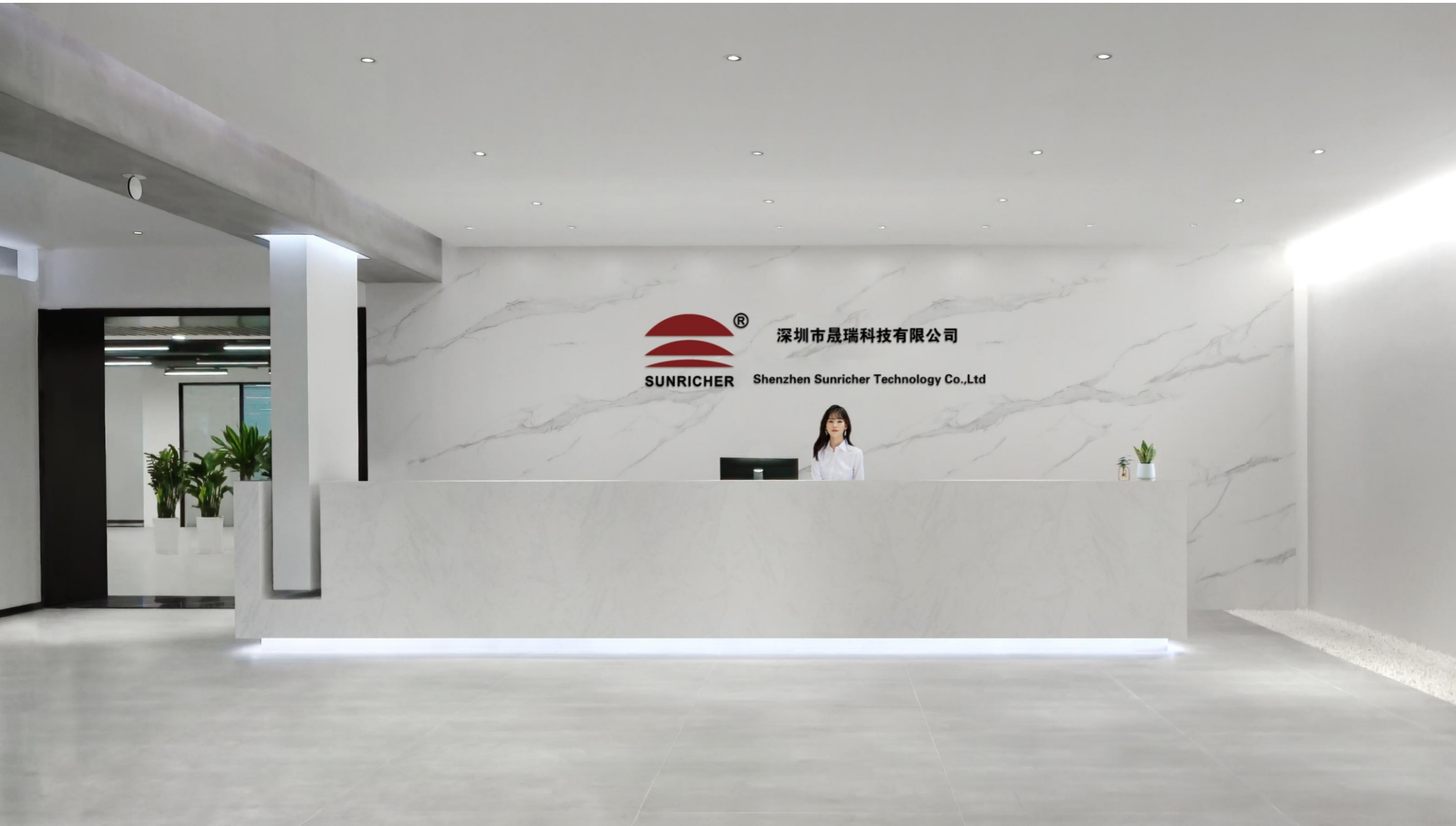


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About Sunricher



Shenzhen Sunricher Technology Co., Ltd. has specialized in wired and wireless lighting control systems for over 20 years. Our innovative, high-quality products serve commercial, industrial, and smart home lighting applications.

As a preferred ODM/OEM partner for leading global brands, we excel in lighting control and IoT technologies, including DALI, DMX512, KNX, Zigbee, Matter, Bluetooth, Wi-Fi, and RF. Sunricher is a member of the DALI Alliance, KNX Association, CSA, Bluetooth SIG, Zhaga Consortium, Thread Group, LoRa Alliance, and IWBI.

We provide:

- Experienced R&D driving innovative designs
- Efficient production with strict quality control
- Prompt after-sales support
- Global certifications:
UL, TUV, CE, ENEC, GS, CCC, RCM, FCC, PSE, RoHS
- Patented designs and certified technologies:
DALI-2, KNX, Zigbee 3.0, Matter, Bluetooth



SILVAIR

Bluetooth® Networked Lighting Control (NLC)

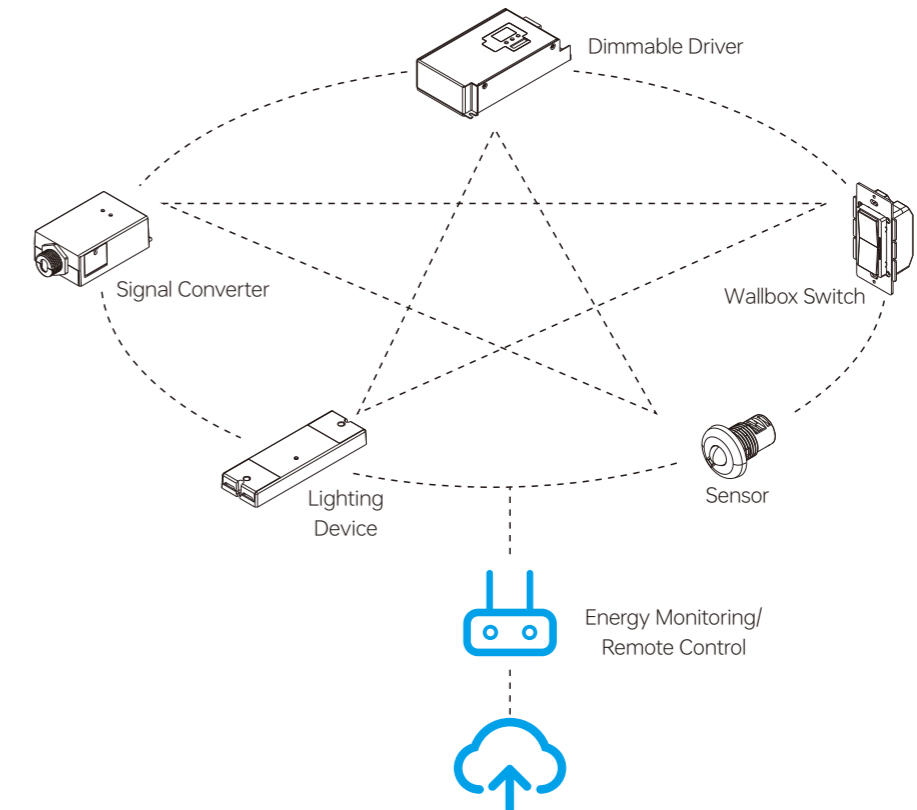


Technology Partner
SILVAIR Work with Silvaair

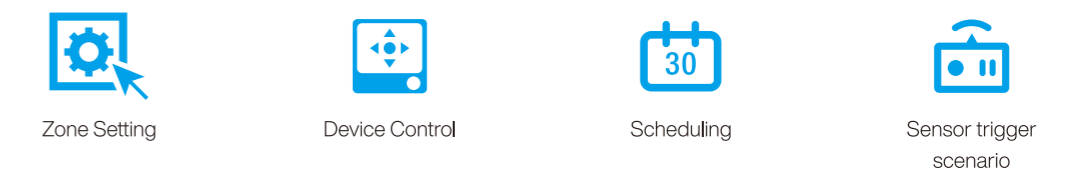
Bluetooth® SIG Mesh

System Structure: Commercial & Industrial Lighting Solution

As an innovative wireless lighting control solution, our BLE MESH system is especially suitable for office retrofitting projects and commercial lighting applications.



Functions



IC CE FC (warranty) (5 years)

www.sunricher.com

SILVAIR


SILVAIR Indoor Sensor

PIR + Light Sensor


- > Bluetooth PIR sensor, Bluetooth® mesh network
- > Radio range: 164 feet (50m) in open field.
Actual range is dependent on field installation.
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- > All devices on line are broadcast controlled by mobile application
- > On-board antenna
- > Waterproof grade: IP20
- > 5 years warranty




Model	SR-SV9035AJ-PIR-V
Power	12-24Vdc
Input Current	0/1-10V signal
Mounting Height	2.5m
Detection Area	φ5m at 2.5m height
Interface Socket	3.5mm Audio-Jack



Model	SR-SV9032A-PIR-V	Model	SR-SV9032A-PIR-D	*Support ELT Feature
Power	12-24Vdc	Power	DALI BUS	
Output	0-10V Signal, Max.20mA.	Current Draw	Max. 30mA	
Mounting Height	2.5m	Mounting Height	2.5m	
Detection Area	φ5m@2.5m	Detection Area	φ5m@2.5m	
Application	LLLC application (Fixture-integrated), ZHAGA 20	Application	LLLC application (Fixture-integrated), ZHAGA 20	





Model	SR-SV9035A-PIR-V	Model	SR-SV9035A-PIR-D	*Support ELT Feature
Power	12-24Vdc	Power	DALI BUS	
Input Current	Max. 30mA	Input Current	Max. 30mA	
Mounting Height	2.5m	Mounting Height	2.5m	
Detection Area	φ5m@2.5m	Detection Area	φ5m@2.5m	
Application	LLLC application (Fixture-integrated), ZHAGA 20	Application	LLLC application (Fixture-integrated), ZHAGA 20	





Model	SR-SV9030D-PIR-D	*Support ELT Feature
Power	Powered by DALI	
Output	BUS DALI BUS	
Mounting Height	Max. 6m. Typical 3m.	
Detection Area	φ10m@3m height.	
Application	ZLLC application (Zone level / Office / Meeting room...)	

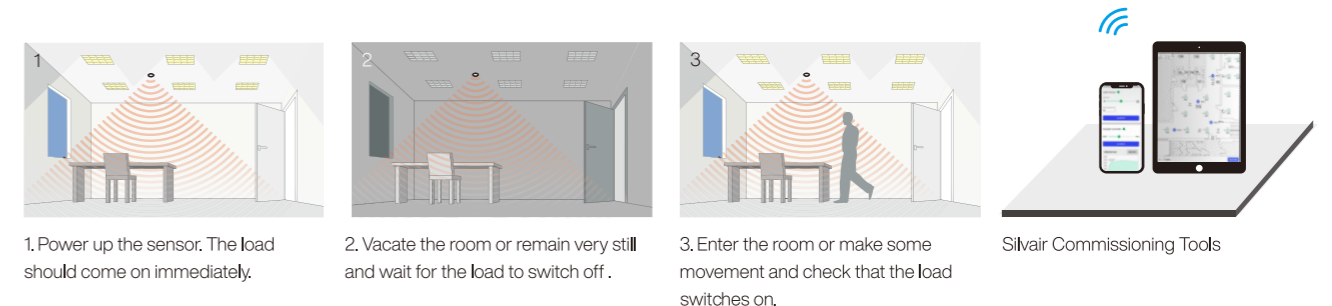
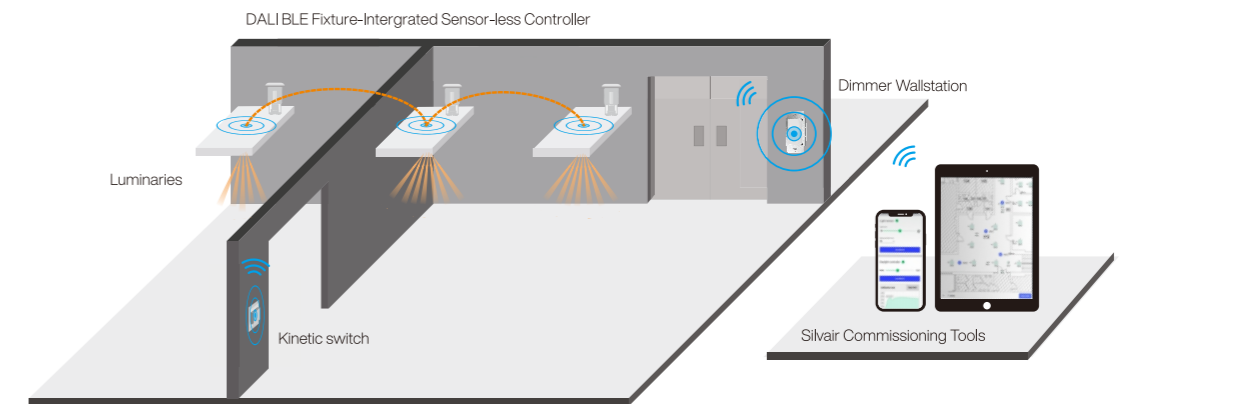
SILVAIR Indoor Sensor

Model	SR-SV9030A-PIR-V	Model	SR-SV9030B-PIR-HBV	SR-SV9030B-PIR-LBV
Power	12-24Vdc	Power	120-277Vac	
Input Current	Max. 30mA	Output	0-10V Signal, Max.20mA. 5A relay	
Mounting Height	2.5m	Mounting Height	LB: Max. 6m. Typical 3m. HB: Max. 12m. Typical 12m	
Detection Area	φ5m@2.5m	Detection Area	LB: φ10m@3m height. HB: φ24m@12m height	
Application	LLLC application (Fixture-integrated)	Application	ZLLC application (Zone level / Office / Meeting room...)	

Model	SR-SV9030B-PIR-D	Model	SR-SV9030B-PIR-10AD
Power	DALI BUS powered	Power	120-277Vac
Output	DALI Signal	Output	DALI: Max.80mA DALI bus, Relay:Max.10A
Mounting Height	LB: Max. 6m. Typical 3m. HB: Max. 12m. Typical 12m	Mounting Height	LB: Max. 6m. Typical 3m. HB: Max. 12m. Typical 12m
Detection Area	LB: φ10m@3m height. HB: φ24m@12m height	Detection Area	LB: φ10m@3m height. HB: φ24m@12m height
Application	ZLLC application (Zone level / Office / Meeting room...)	Application	ZLLC application (Zone level / Office / Meeting room...)




SILVAIR Indoor Sensor

Microwave + Light Sensor


- > Bluetooth to 0-10V signal converter, Bluetooth® mesh network.
- > Built-in 20mA 0-10V signal output.
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices.
- > All devices on 0-10V line are broadcast controlled by mobile application.
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb.
- > Radio range: 164 feet (50m) in open field. Actual range is dependent on field installation.
- > Standby power consumption less than 0.5W, meet latest ERP regulation.
- > On-board antenna.
- > Waterproof grade: IP20
- > 5 years warranty



Model	SR-SV9030A-MW-V
Power	12-24Vdc
Input Current	Max. 30mA
Mounting Height	3m
Detection Area	Φ12m@2.5m
Application	ZLLC application




Model	SR-SV9032A-MW-V
Power	12-24Vdc
Input Current	Max. 30mA
Mounting Height	3m
Detection Area	Φ10m@2.5m
Application	LLLC application (Fixture-integrated), ZHAGA 20



Model	SR-SV9035A-MW-V
Power	12-24Vdc
Input Current	Max. 30mA
Mounting Height	2.5m
Detection Area	Φ5m@2.5m
Application	LLLC application (Fixture-integrated), ZHAGA 20


0-10V BLE Fixture-integrated 24G Presence Sensor 

- > Bluetooth to 0-10V signal MW sensor controller, Bluetooth® mesh network
- > Built-in 0-10V signal output
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > All devices on 0-10V line are broadcast controlled by mobile application
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > In typical indoor environment, the typical range for wireless communication is 20m to 25m. Actual range is dependent on field installation.
- > Standby power consumption less than 0.5W, meet latest ERP regulation
- > Support sensitivity adjustment, Mesh Network, a better method to deal with false trigger
- > Available with Magnetic reset (Touch the top part of sensor for 5 seconds) and manual reset
- > On-board antenna
- > Waterproof grade: IP20
- > 5 years warranty

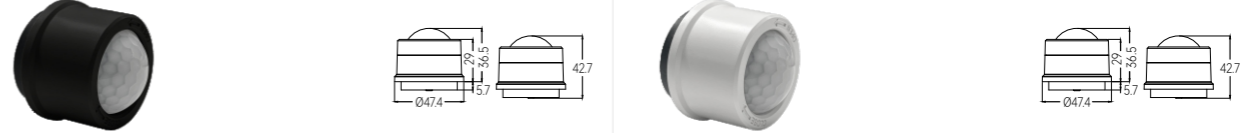


Model	SR-SV9034L-24G-V
Power	12-24Vdc
Input Current	Max. 30mA
Mounting Height	2-4m
Detection Area	Φ10m @ 2.5m


SILVAIR Outdoor Sensor

PIR / Microwave + Light Sensor 

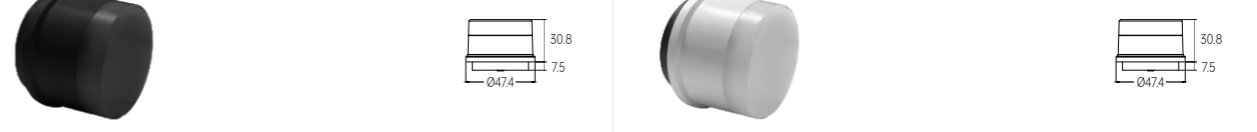
- > Bluetooth to 0-10V sensor controller, Bluetooth® mesh network
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > All devices on 0-10V line are broadcast controlled by mobile application
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > Autonomous sensor-based control
- > On-board antenna
- > Waterproof grade: IP65, suitable for outdoor luminaires
- > 5 years warranty



Model	SR-SV9033A-PIR-V	SR-SV9033Z-PIR-V	Model	SR-SV9033P-PIR-V	SR-SV9033J-PIR-V
Input Voltage	12-24Vdc	12-24Vdc	Input Voltage	12-24Vdc	12-24Vdc
Input Current	Max. 30mA	Max. 30mA	Input Current	Max. 30mA	30mA
Detection Area	Φ16m@12m mounted height	Φ16m@12m mounted height	Detection Area	Φ16m@12m mounted height	Φ16m@12m mounted height
Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting
Interface Socket	ZHAGA 18 socket	Z-10 socket	Cutting Hole	3-Pin socket	3.5mm Audio-Jack socket
Application	LLLC application, Street lights / Low / High-bay	LLLC application, Street lights / Low / High-bay	Application	LLLC application, Street lights / Low / High-bay	LLLC application, Street lights / Low / High-bay



Model	SR-SV9033A-PIR-D	Model	SR-SV9033A-PIR-D-BUS
Input Voltage	12-24Vdc	Input Voltage	DALI bus powered
Output	DALI Signal	Output	DALI signal
Detection Area	Φ16m@12m mounted height	Detection Area	Φ16m@12m mounted height
Lux detection range	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting
Interface Socket	ZHAGA 18 socket	Interface Socket	Z-10 socket
Application	LLLC application, Street lights / Low / High-bay	Application	LLLC application, Street lights / Low / High-bay


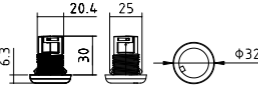

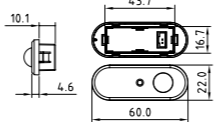




Model	SR-SV9033A-MW-V	SR-SV9033Z-MW-V	Model	SR-SV9033P-MW-V	SR-SV9033J-MW-V
Input Voltage	12-24Vdc	12-24Vdc	Input Voltage	12-24Vdc	12-24Vdc
Input Current	Max. 30mA	Max. 30mA	Input Current	Max. 30mA	Max. 30mA
Detection Area	Φ16m@12m mounted height	Φ16m@12m mounted height	Detection Area	Φ16m@12m mounted height	Φ16m@12m mounted height
Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting	Lux detection range	0-1000LUX, daylight harvesting	0-1000LUX, daylight harvesting
Interface Socket	ZHAGA 18 socket	Z-10 socket	Cutting Hole	3-Pin socket	3.5mm Audio-Jack socket
Application	LLLC application, Street lights / Low / High-bay	LLLC application, Street lights / Low / High-bay	Application	LLLC application, Street lights / Low / High-bay	LLLC application, Street lights / Low / High-bay

SILVAIR Controller

| BLE 0-10V Sensor-less Controller

- > Bluetooth to 0-10V/DALI sensor controller , Bluetooth® mesh network
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > All devices on DALI line are broadcast controlled by mobile application
- > Supports our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > On-board antenna
- > 5 years warranty

			
Model Input Output Current Feature	SR-SV9032A-V 12-24Vdc 0/1-10V signal Max.20mA IP20, Fixture-integrated	SR-SV9032A-D DALI BUS DALI BUS, Max. 30mA IP20, Fixture-integrated, ELT function	Model Input Output Current Feature
		SR-SV9035A-V 12-24Vdc 0/1-10V signal Max.20mA IP20, Fixture-integrated	SR-SV9035A-D DALI BUS DALI BUS, Max. 30mA IP20, Fixture-integrated, ELT function
			
Model Input 0/1-10V Signal Output Control Feature	SR-SV9033A-V 12-24Vdc Max.20mA 0-10V IP65, ZHAGA 18	Model Input Output Control Feature	SR-SV9033A-D-BUS DALI BUS Max. 30mA DALI-2 IP65, ZHAGA 18


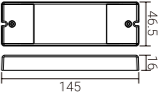


SILVAIR Controller

SILVAIR Converter


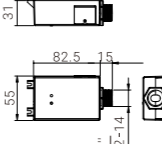
| SIG Mesh LED DC Controller

- > Bluetooth® mesh LED controller. Max.power 48-96W per channel
- > Enables to control ON/OFF, light intensity, tunable white type of LED fixtures
- > Controlled through Silvair Commissioning tools
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > In typical indoor environment, the typical range for wireless communication is 20m to 25m.Actual range is dependent on field installation
- > On-board antenna
- > Over-temperature/Over-load/Over-voltage/Short-circuit protection

	
Model Input Voltage Output Current Output Power Feature	SR-BL1029-SVT 12-24Vdc 4A*4CH 48-96W/CH Super slim

| SIG Mesh to Phase Dimmer


- > Bluetooth phase load dimmer
- > Standard 1/2" knockout design, easy to integrated to a junction box
- > Built-in IoT/Sensor application interface, Max. 100mA@12V
- > Work with our BLE to 0-10V load dimmer to realize more convenient and flexible control
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > UL listed. Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
- > External antenna, typical mesh range is over 30meters.
- > Support reverse edge(trailing edge) type driver
- > Bluetooth® qualified. Bluetooth DID:D061817
- > Waterproof grade: IP20
- > 5 years warranty

		Model Input voltage Output Application	SR-SV2421-TR5-AUX 100-277Vac Aux. Power 12V, Max. 100mA; Phase load.Max. 2.1A Retrofit. Turn traditional ELV/ Triac dimming system into wireless world.
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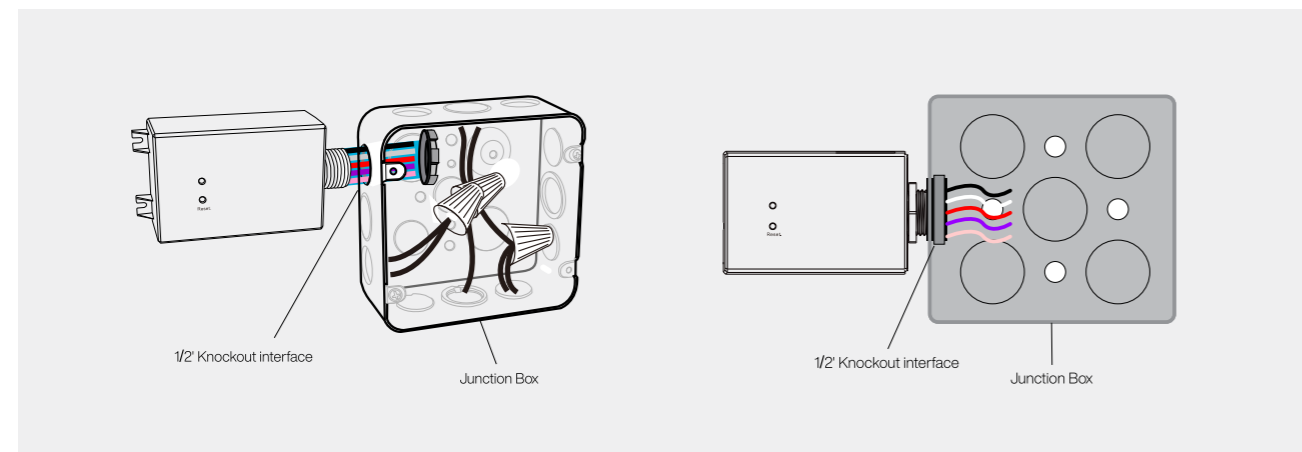
SILVAIR Converter

| SIG Mesh to DALI Converter

- > Bluetooth to DALI signal converter, Bluetooth® mesh network
- > Built-in DALI bus power supply, no additional DALI bus PS required
- > Max. 50mA DALI bus power current output, can control up to 25 DALI control gears
- > All devices on DALI line are broadcast controlled by Silvair Commissioning tools
- > Mesh network, which has a much longer control distance, transmits received signals to neighbor devices
- > All device on DALI line are broadcast controlled by mobile application
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > In typical outdoor environment, the range for wireless communication is about 65meters. Actual range is dependent on field installation
- > IPEX antenna



Model	SR-BL2421-SVD
Input voltage	100-277Vac
DALI PS Current	Max. 50mA
Market	US



Sunricher Project

SILVAIR Converter

| SIG Mesh to 0/1-10V Converter


- > Bluetooth to 0-10V signal converter, Bluetooth® mesh network
- > All devices on 0-10V line are broadcast controlled by Silvair Commissioning tools
- > Supporting Sunricher kinetic energy switches and EnOcean switches EWSSB and EWSDb
- > In typical outdoor environment, the range for wireless communication is about 65meters. Actual range is dependent on field installation.
- > Mesh network
- > IPEX antenna



Model	SR-BL2421-SVV	SR-BL2421-SVVT	SR-SV2421-SVVT-AUX	SR-SV2421-5A-AUX
Input Voltage	100-277Vac	100-277Vac	100-277Vac	100-277Vac
Output				
0/1-10V Current	Max. 20mA	Max. 20mA	Max. 20mA	Max. 20mA
Relay Current	Max. 5A	Max. 20A	Max. 20A	Max. 5A
			3rd Party sensor: Support	With 5A relay version & 24V Aux
			Aux Power: 24Vdc, Max 50mA	power for 3rd party digital sensor

| 0-10V to Phase Load Dimmer with 12VAuxOutput

- > 0-10V to Phase load dimmer, signal converter
- > Standard 1/2" knockout design, easy to integrated to a junction box
- > Built-in 0/1-10V interface
- > Compatible with universal 0/1-10V signal
- > Integrated 12V Aux power supply output enables users to connect sensors and IoT applications.
- > Work with our BLE to 0-10V load dimmer to realize more convenient and flexible control
- > Support reverse edge(trailing edge) type driver
- > UL listed. Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
- > Waterproof grade: IP20
- > 5 years warranty

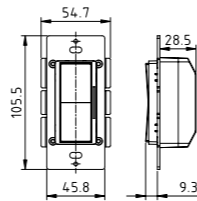


Model	SR-2421-TR5-V
Input voltage	100-277Vac
Output, Aux. Power	12V, Max. 80mA
Current	Max. 2.1A

SILVAIR Push Button

| Bluetooth Wall-Mounted Dimmer

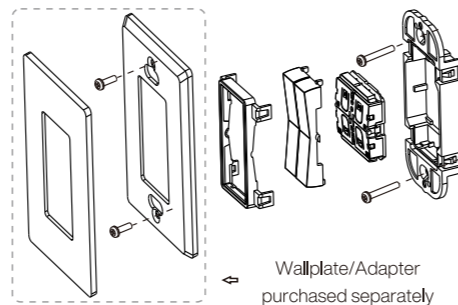
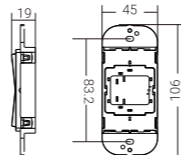
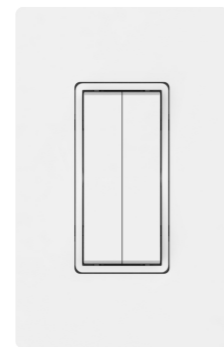
- > Bluetooth® mesh network
- > All devices on line are broadcast controlled by mobile application or push button
- > Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDDB
- > In typical indoor environment, the typical range for wireless communication is 50m to 65m. Actual range is dependent on field installation
- > IPEX antenna
- > Standard switch element that can match with different frames
- > Operation voltage: 100-277Vac



SR-SV2835PAC-V(US)
Bluetooth to 0/1-10V

| Self-powered/Battery-powered Keypad

- > Wall remote based on Bluetooth® Mesh network
- > Easy & quick pairing through "Silvair mobile app"
- > Mesh network for further control distance, receivers can transmit signal to each other
- > On-board antenna




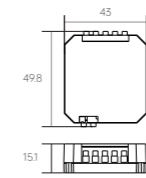
Wallplate/Adapter
purchased separately

SR-SBP2801K2-BLE(US) SR-SBP2801K4-BLE(US)
Self-powered

SILVAIR Push Button

| BLE Push-Button Coupler

- > Bluetooth push-button coupler, Bluetooth® mesh network
- > Easily integrated with existing push switches
- > Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- > In typical indoor environment, the typical range for wireless communication is 20m to 25m. Actual range is dependent on field installation.
- > On-board antenna
- > Waterproof grade: IP 20
- > 5 years warranty

Model	SR-SB2833PAC-BLE
Power Supply	100-240VAC, 50/60Hz
Transmission Range	10-30m (typical)
Power Consumption	Less than 0.5W
Number of Push Buttons	4
Connector Type	Push-In
Wire Size	0.2 - 1.5mm ² (AWG28 - AWG14)