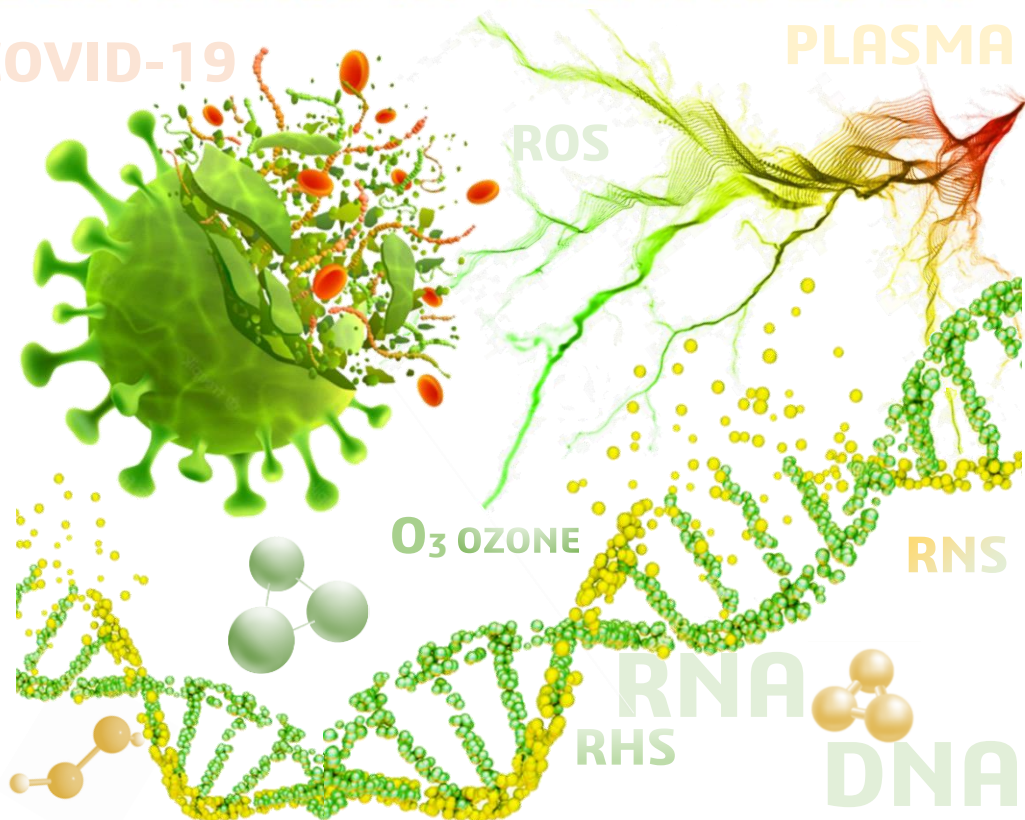




SUN PLASMA TECHNOLOGY

COVID-19

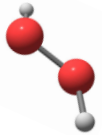
PLASMA

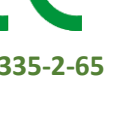




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Air and Environment Disinfection with Electron Plasma

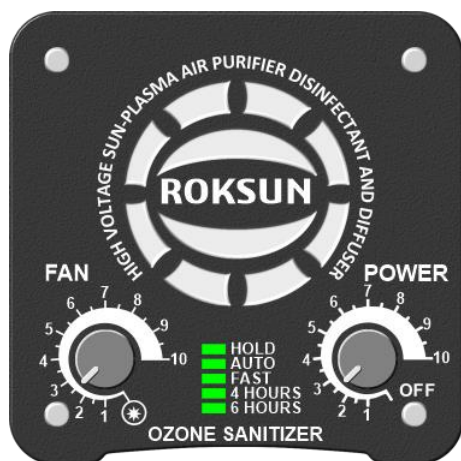
	
	
	

	Antivirus		Electron Plasma
	Antibacterial		Active Oxygen
	Deodorizer		Ion Generator

CE
IEC 60335-2-65



Z20 CLASSIC DESKTOP



	Theme	Model
	Black	Z20K
	Luxury Black	Z20L
	Shiny Silver	Z20S
	Shiny Gold	Z20G
	Brown	Z20M
	Metallic Gold	Z20X
	Metallic Bronze	Z20V

Home and Office

Modes: Hold, Automatic, Fast Disinfection, Night Timers.

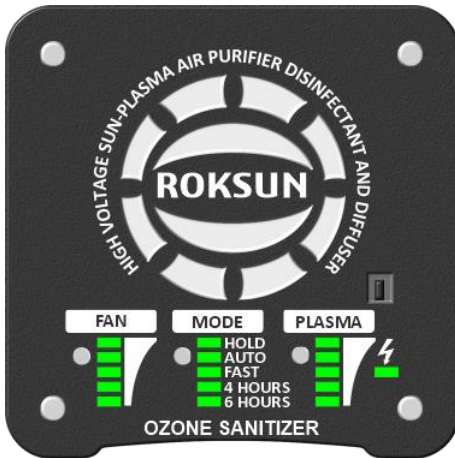
Controls: Plasma power and FAN speed.



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Z30 DIGITAL DESKTOP



	Theme	Model
	Black	Z30K
	Shiny Silver	Z30S
	Shiny Gold	Z30G
	Brown	Z30M
	Metallic Gold	Z30X
	Metallic Bronze	Z30V

Home and Office

Modes: Hold, Automatic, Fast Disinfection, Night Timers.

Digital Controls: Plasma power and FAN speed.

Accessories: Remote control.



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Z35 CEILING WALL MOUNT



	Theme	Model
	Black	Z35K
	Shiny Silver	Z35S
	Shiny Gold	Z35G
	Brown	Z35M
	Metallic Gold	Z35X
	Metallic Bronze	Z35V

Home and Office

Modes: Hold, Automatic, Fast Disinfection, Night Timers.

Digital Controls: Plasma power and FAN speed.

Accessories: Remote control, adjustable bracket.

Mount: Ceiling or wall.



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Z40 AUTOLIGHT



	Theme	Model
	Black	Z40K
	Brown	Z40M
	Metallic Gold	Z40X
	Metallic Bronze	Z40V

Toilet and Bathroom deodorizer and disinfectant

Modes: Hold, Light ON, Light OFF, and Programable timer.

Detection: Automatic detection of person entry and exit with light sensor.

Accessories: Remote control, adjustable bracket.

Mount: Ceiling or wall.



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Z50 OFFICE



	Theme	Model
	Black	Z50K
	Shiny Silver	Z50S
	Shiny Gold	Z50G
	Brown	Z50M
	Metallic Gold	Z50X
	Metallic Bronze	Z50V

Office, Academy, School, and Public Area

Modes: Automatic / Manual, Light, Dark.

Detection: Automatic detection of whether the place is Open or Closed.

Accessories: Remote control, adjustable bracket.

Mount: Ceiling or wall.



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Z60 SIMPLE



	Theme	Model
	Black	Z60K
	Brown	Z60M
	Metallic Gold	Z60X
	Metallic Bronze	Z60V

Supply Voltage	Model
12V	Z60
24V	Z61

Car, Bus, and Metro

Features: Low-cost in-vehicle mount with simple two-core wiring.

Accessories: Adjustable bracket.

Mount: Ceiling or wall.



Z65 VEHICLE



	Theme	Model
	Black	Z65K
	Brown	Z65M
	Metallic Gold	Z65X
	Metallic Bronze	Z65V

Supply Voltage	Model
12V	Z65
24V	Z66

Car, Bus, and Metro

Modes: Hold, Automatic, Fast Disinfection, Night Timers.

Digital Controls: Plasma power and FAN speed.

Accessories: Remote control, adjustable bracket.

Mount: In-vehicle Ceiling or wall.



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Z70 NETWORK



	Theme	Model
	Black	Z70K
	Shiny Silver	Z70S
	Shiny Gold	Z70G
	Brown	Z70M
	Metallic Gold	Z70X
	Metallic Bronze	Z70V

Network central control

Model	Network	Descriptions
Z71	Wi-Fi	Indoor antenna – TCP/IP access point
Z72	Wi-Fi	Outdoor antenna – TCP/IP access point
Z73	LAN	Ethernet – TCP/IP
Z74	Wire	Twisted-pair wiring for signaling – UDP
Z75	Wire	Two-pair wiring for power and signaling – UDP



Network: WiFi / LAN / Wire.

Modes: Hold, Automatic, Fast, Timers.

Digital Controls: Plasma power and FAN.

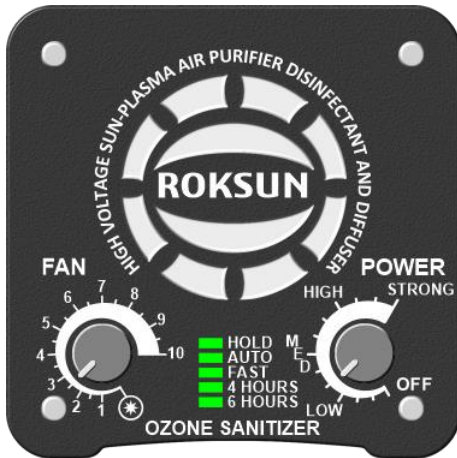
Accessories: Remote control, bracket.

Mount: Ceiling or wall.

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Z80 PORTABLE



	Theme	Model
	Black	Z80K
	Brown	Z80M
	Metallic Gold	Z80X
	Metallic Bronze	Z80V

Portable strong disinfectant and deodorizer

Modes: Hold, Automatic, Fast Disinfection, Night Timers.

Controls: Plasma power and FAN speed.

Rechargeable Battery: USB, 12V wall adapter, and vehicle plug.

Battery Life: 4 hours.



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SUN PLASMA TECHNOLOGY

Roksun Z-series disinfection utilizes direct contact of air with high-energy electron plasma. Air passes through a powerful plasma zone created by the Sun Plasma Generator, effectively inactivating viruses and killing bacteria. All models are energy-efficient, consuming less than 7W, and adhere to the IEC 60335-2-65 standard, offering robust air disinfection and environmental sterilization without the need for consumable parts.

Employing nano-technology deposition, the device controls ozone emission to less than one-fifth of the standard limit and produces no harmful ultraviolet (UV) radiation. Additionally, all models function as air deodorizers and insect repellents. Pathogens are inactivated or killed due to the following mechanisms:

- **DNA/RNA Damage:** High-energy electrons and ion bombardment damage the genetic material of viruses.
- **Membrane Destruction:** Reactive species like ROS, RHS, and RNS destroy the membranes of viruses and bacteria.
- **Sterilization:** Controlled emission of disinfectant ozone and hydroxyl gases sterilizes the environment.
- **Diffusion:** A strong ultra-high-frequency electromagnetic field diffuses viruses.



Z-Series Models

Model	Design	Mount	Application	Feature
Z20	Classic	Desktop	Home and Office	Easy use
Z30	Digital	Desktop	Home and Office	Modern
Z35	Digital	Ceiling / Wall	Home and Office	Easy mount
Z40	Autolight	Ceiling / Wall	Toilet	Deodorizer
Z50	Office	Ceiling / Wall	Office, Workspace, Public Area, School	Intelligent
Z60	Vehicle	Ceiling	Vehicle inside	Inexpensive
Z65	Vehicle	Ceiling	Vehicle inside	Adjustable
Z70	Central Control	Ceiling / Wall	Central control	Network
Z80	Portable	Desktop	Mobile Disinfectant, Traveling	Portable

Model	Automatic	Timer	Plasma Adjust	Light Sensor	Remote Control	Intelligent	Chargeable	Network
Z20	✓	✓	✓	-	-	-	-	-
Z30	✓	✓	✓	-	✓	-	-	-
Z35	✓	✓	✓	-	✓	-	-	-
Z40	-	✓	-	✓	-	✓	-	-
Z50	✓	✓	✓	✓	✓	✓	-	-
Z60	-	-	-	-	-	-	-	-
Z65	✓	✓	✓	-	✓	-	-	✓
Z70	✓	✓	✓	-	✓	-	-	✓
Z80	✓	✓	✓	-	-	-	✓	-



Z-Series Specifications

Technology	Cold Atmospheric Electron Plasma - Non-Equilibrium Maxwell														
Tube	Sun Plasma at 16000 °C														
Technique	Plasma – Air direct contact														
Disinfectants	ROS, RNS, RHS, UV, OZONE, EM, CATION, ANION														
Efficacy	<table><tr><td>Odor</td><td>Enzyme</td><td>Fungi</td><td>Bacteria</td><td>Virus</td></tr><tr><td>High</td><td>Low</td><td>Low</td><td>Medium</td><td>High</td></tr></table>					Odor	Enzyme	Fungi	Bacteria	Virus	High	Low	Low	Medium	High
Odor	Enzyme	Fungi	Bacteria	Virus											
High	Low	Low	Medium	High											
Cover Area	60 m³														
Supply Voltage	110V / 120V / 220V / 230V 50Hz/60Hz														
Power	< 7W														
Power OFF	< 0.1W														
Lifespan	Continuous														
Dimensions	10cm x 10cm x 10cm														
Weight	540 gr														
Ozone	< 150 mg/hr														
Air Flow	250 lit/min														
Noise	< 30 db														
Temperature	-20 ...+70°C														
Humidity	RH < 95%														
Timer Accuracy	90%														
Voltage Safety	3000 V														
HV Safety	100 kV														
Standard	IEC 60335-2-65														

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Applications

Application	Suggestion	Features
Patient room in home	Z20	Easy use
Hospital public area	Z20, Z30	Close contact protection
	Z35	Ceiling mount with remote control
Patient room in hospital	Z35	Ceiling mount with remote control
	Z70	Central control via network
Home	Z20	Easy use
Shop	Z20, Z30	Close contact protection
	Z35	Ceiling mount with remote control
Office	Z20, Z30	Close contact protection
	Z35	Ceiling mount with remote control
	Z50	Intelligent ON / OFF operation
Pharmacy	Z35	Ceiling mount with remote control
Bank Cinema	Z35	Synchronized multiple devices Ceiling mount
Mall Hypermarket Library Museum Church	Z35	Synchronized multiple devices Ceiling mount
	Z50	Synchronized multiple devices Ceiling mount
		Intelligent ON / OFF operation
School Academy Kindergarten University	Z35	Ceiling mount for every classroom Remote control
	Z50	Ceiling mount for every classroom Intelligent ON / OFF operation
Hotel room	Z35	Strong ceiling mount for every room Anti-theft
	Z70	Central control via network
Hotel lobby	Z35	Ceiling mount with remote control
	Z50	Intelligent ON / OFF operation
Corridor	Z35	Ceiling mount with remote control
	Z50	Intelligent ON / OFF operation
Clinic Laboratory	Z20, Z30	Physician and staff protection
	Z35	Ceiling mount with remote control
	Z50	Intelligent ON / OFF operation



Applications

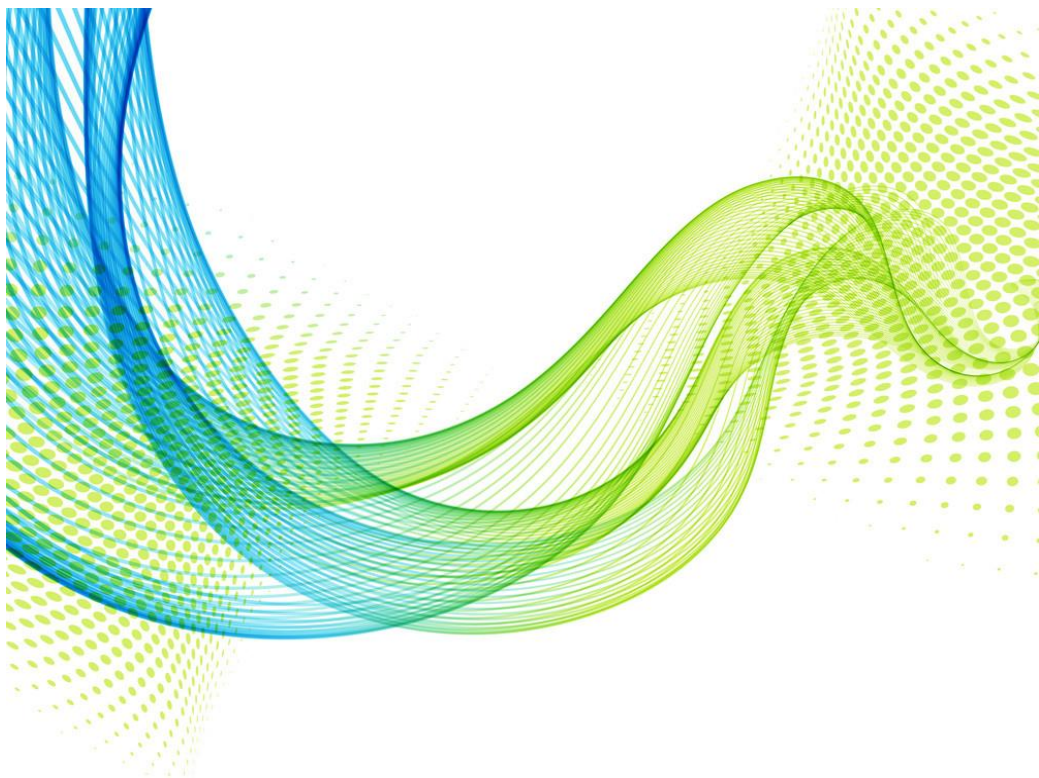
Application	Suggestion	Features
Metro Station Factory Salon Gym	Z50	Intelligent ON / OFF operation
Restaurant	Z35	Ceiling mount with remote control
	Z50	Intelligent ON / OFF operation
Bar Buffet	Z35	Ceiling mount with remote control
Kitchen	Z20	Easy use
Coffee shop	Z35	Ceiling mount with remote control
Hubble Bubble Coffee shop	Z35	Ceiling mount with remote control Strong deodorizer
Barber shop – Small	Z20, Z30	Close contact protection Hair color, keratin, decolorante smell deodorizer
Barber shop – Large	Z35	Ceiling mount with remote control Hair color, keratin, decolorante smell deodorizer
Cattle breeding Aviculture	Z35	Ceiling mount with remote control Strong deodorizer and disinfectant
Greenhouse	Z35	Ceiling mount with remote control Strong deodorizer and disinfectant
Vehicle indoor Car Metro Bus	Z60	Ceiling mount with simple wiring
	Z65	Ceiling mount with adjustment panel
Travelling	Z80	Rechargeable and portable
Toilet	Z40	Strong air and environment deodorizer and disinfectant with intelligent turn ON/OFF
Smart City Smart Home Central Control Organization	Z70	Network based





NOTES





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