

PURE SKIES

OPERATION AND INSTRUCTION MANUAL



Read instructions carefully before installing Pure Skies

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Warning

Not for use in dangerous environments

- ✓ The Product is not designed, manufactured, or intended for use in hazardous or critical environments or in activities requiring emergency or fail-safe operation or in any other applications or activities in which failure of the product may pose the risk of environmental harm or physical injury or death to humans, flora and fauna.
- ✓ This includes but is not limited to: Emissions from fires (natural or human-made); Explosions; Spillage of chemicals, oil, or other hazardous products; Accidents from factories or other businesses; Fumes from chemical or other manufacturing processes; or Ionizing radiation.
- ✓ Devic Earth Pvt. Ltd. specifically disclaims any liabilities or warranties for any use of the Product by the Purchaser for Dangerous/Critical Applications or for any other reasons besides the intended use of the product.
- ✓ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

General Safety

While installing the product, make sure:

- ✓ You are wearing sturdy headgear.
- ✓ You are wearing industrial grade hand gloves.
- ✓ You are wearing closed, industrial grade footwear.
- ✓ You follow other precautions, mounting equipment, and safety instructions as mandated by your company.
- ✓ You consult a certified expert for the same in case of both, Individuals or company.

Safety Precautions

- ✓ DO NOT open the Pure Skies Receiver & Transmitter
Any unauthorized opening of the equipment will cause damage to the equipment and result in malfunctioning of the technology.
- ✓ In addition, this will immediately void your warranty and may expose you to dangerous and fatal electric currents or electrical shock, even if the unit is unplugged.
- ✓ Pure Skies Receiver & Transmitter must be powered on 24/7 failing which, this may result in variation in the pollution levels and mismatch in the intended use and results.
- ✓ Check if the voltage indicated on the appliance corresponds to the local power voltage before you connect the appliance. Same must be installed according to national laws governing electrical systems
- ✓ Read all instructions before using the Pure Skies Receiver & Transmitter
- ✓ Install the Pure Skies Receiver & Transmitter according to the installation instructions.
- ✓ Do not immerse the Pure Skies Receiver & Transmitter in water.
- ✓ Do not expose the Pure Skies Receiver & Transmitter to fire.
- ✓ Do not keep inflammable liquids near the Pure Skies Receiver & Transmitter
- ✓ Do not spray any inflammable materials such as insecticides or fragrance around Pure Skies Receiver & Transmitter
- ✓ In case of breakdown, unplug the Pure Skies Receiver & Transmitter
Do not attempt to repair by yourself, Repairs performed by incompetent individuals can be hazardous. Consult Devie Earth service helpline immediately on -91 98452 30784 or write to us at support@devie-earth.com.
- ✓ Do not sit on the Pure Skies Receiver & Transmitter
- ✓ Do not place items on the Pure Skies Receiver & Transmitter
- ✓ Place the Pure Skies Receiver & Transmitter in a location where it is unlikely to fall or move due to any activity.
- ✓ Do not pull the electrical cord to move Pure Skies Receiver & Transmitter
- ✓ If the supply cord is damaged it must be replaced by the manufacturer, its service agent, or similar qualified persons in order to avoid any hazards.
- ✓ If the cord set is damaged, it must be replaced by a special cord set available from the manufacturer, its service agent or its authorized seller.

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Pure Skies Receiver & Transmitter Components



RECEIVER PSDE24K



TRANSMITTER PSDEACE

General Guidelines for Installation

- ✓ Based on the area and nature of your premises, our team will work with you to identify the ideal deployment sites and height at which the Pure Skies Receiver & Transmitter can be installed, right in the planning stage.
- ✓ Choose installation locations which are open on at least 3 sides. Avoid confined spaces with limited air circulation.
- ✓ Install the Pure Skies Receiver & Transmitter in a secure area without obstructions, where it cannot be tampered with.
- ✓ Ensure that each installation site has a reliable power source that reaches the location without stretching the power cable.
- ✓ The power cable from each Pure Skies Receiver & Transmitter is approximately 3 meter in length.
- ✓ Your electrician may need to provide power cables to reach the installation site easily. Devic Earth will provide the appropriate type of plug for your country.

Unboxing the Receive 24K Package



Pure Skies



Holding Clamp * 2
(Upper and Lower)



Pole/Wall Clamp * 2
(Upper and Lower)

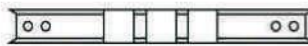


Ring Clamp * 2
(Only for Pole Mount)

Unboxing the Transmitter PSDEACE



Pure Skies



Holding Clamp



Ring Clamp
(Only for Pole Mount)



Visually inspect the units for any damage to the cabinet or power cables during shipping.

Contact us on
+91 98452 30784 or write to us
at support@devic-earth.com,
if the device has any kind of
damage.



Symbols



High Voltage Inside



Be Careful, May Become Hot



Caution

Pure Skies Receiver & Transmitter Installation

The Pure Skies Receiver & Transmitter is usually installed at or near the centre of your facility.

The Pure Skies Receiver & Transmitter should be installed:



For outdoor installation, install the Pure Skies Receiver & Transmitter at a height of 36-40ft. Additional units may be installed on utility poles at 12-18ft.



Atleast 20-25 feet away from direct sources of air pollution including incinerators, furnaces, boilers and stacks.



Atleast 20-25 feet away from vehicular emissions.



Atleast 20-25 feet away from the air quality monitor(s).

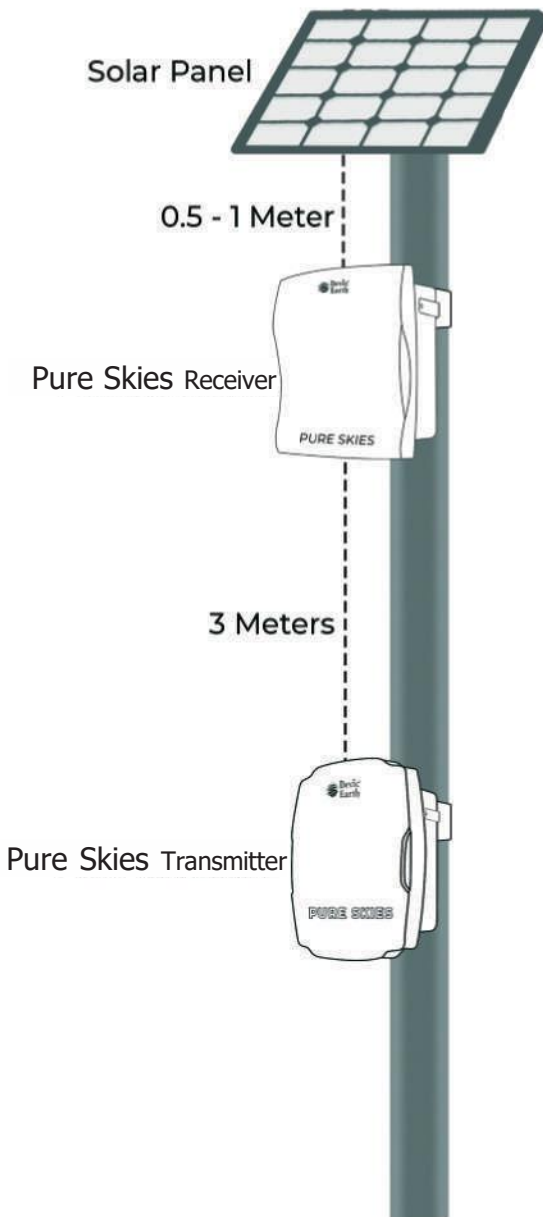


Atleast 20-25 feet away from high tension lines.



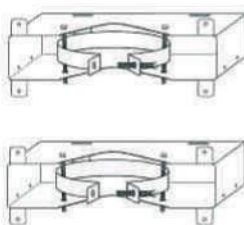
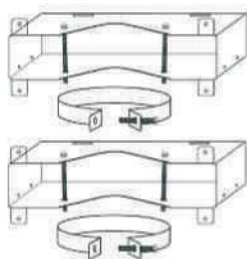
Install Pure Skies Transmitter at a distance of 3-6 meters from Pure Skies Receiver

Pure Skies Receiver & Transmitter Installation Guide for Pole Mount



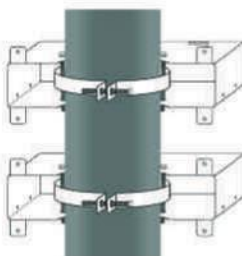
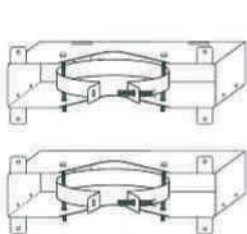
Fix the solar panel on top of the pole. Then, install the Pure Skies Receiver below the solar panel, keeping a distance of 0.5 to 1 meter between them. Additionally, install the Pure Skies Transmitter on the same pole, keeping a distance of 3 meters from Pure Skies Receiver (For instructions on how to install the Pure Skies Transmitter and Pure Skies Receiver please refer to the next page.)

Pure Skies Receiver Installation Guide for Pole Mount



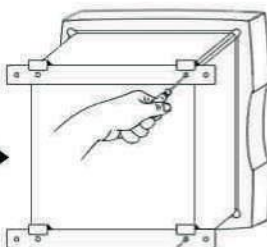
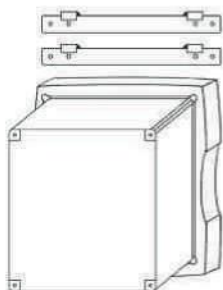
Step 1:

Insert the Ring Clamps inside both Pole Clamps.



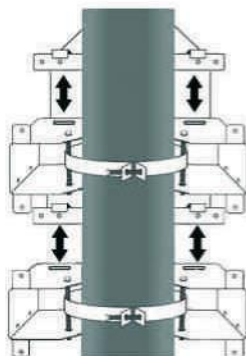
Step 2:

Mount both Pole Clamps on to the pole together and tighten both Ring Clamps. Pull both clamps to check if it is fixed tight.



Step 3:

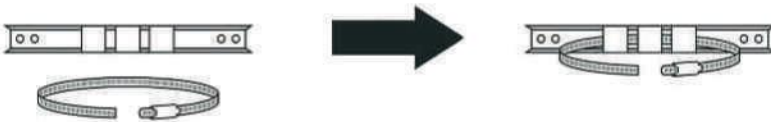
Fix both upper and lower Holding Clamps to the back of Pure Skies Receiver



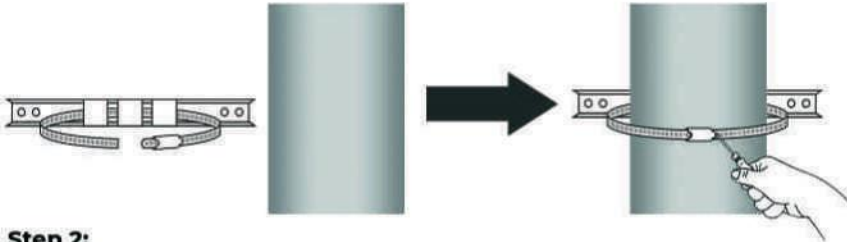
Step 4:

Insert the Pure Skies Receiver Holding Clamps into Pole Clamp Slots as Shown in the picture. And tight all Clamp Screws.

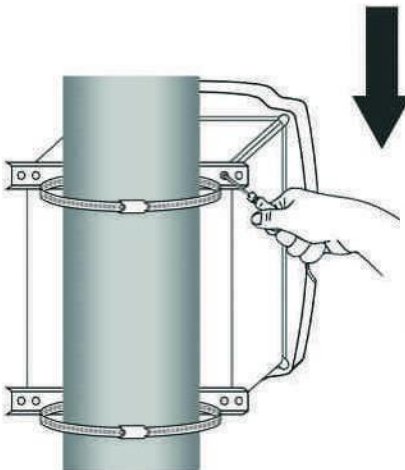
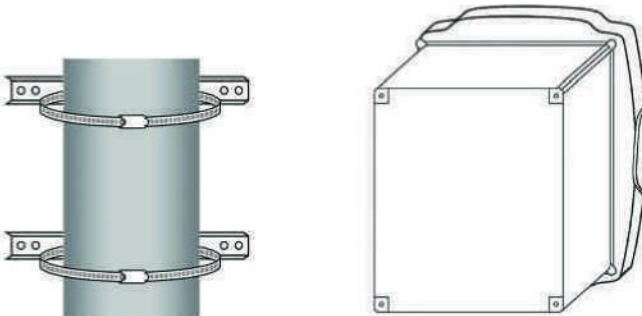
Pure Skies Transmitter Installation Guide for Pole Mount



Step 1:
Insert the Ring Clamp into the Holding Clamp.



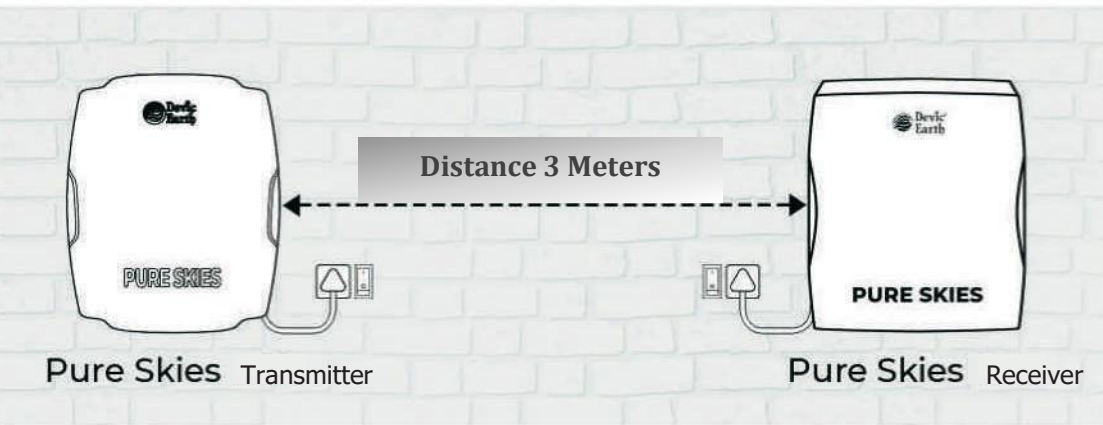
Step 2:
Mount both Holding Clamps on to the pole and tighten the Ring Clamps. Pull the clamps to check if it is fixed tight.



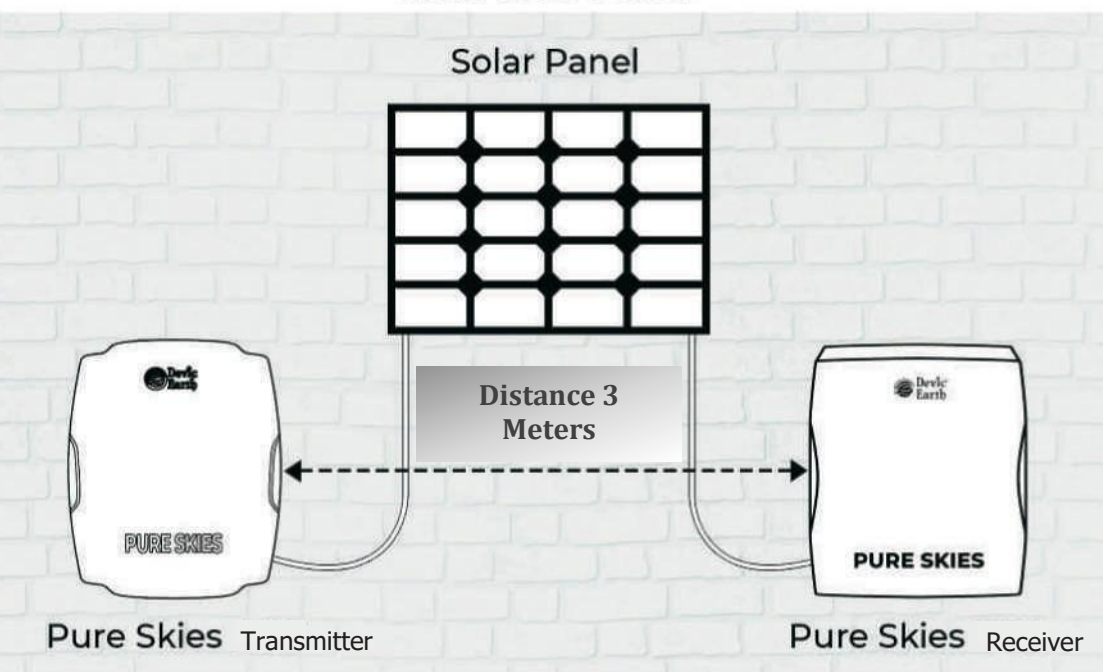
Step 4:
Fix Pure Skies Transmitter into the Holding Clamp Slots Fixed on the Pole. Check the Pure Skies Transmitter if it is fixed tight.

Pure Skies Receiver & Transmitter Installation Guide for Wall Mount

Without Solar Panel

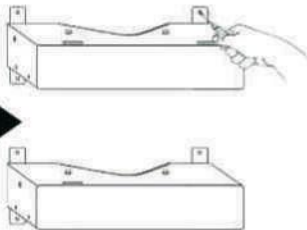
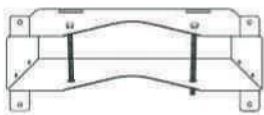


With Solar Panel

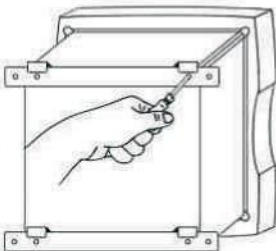
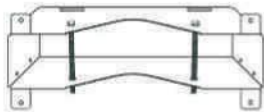


Fix the Pure Skies Receiver and Pure Skies Transmitter on a wall, keeping a distance of 3 to 6 meters between them, with or without a solar panel as shown in the picture. For instructions on how to install the Pure Skies Transmitter and Pure Skies Receiver, please refer to the next page.

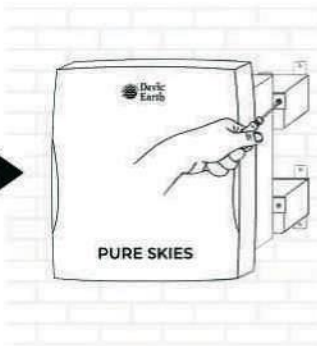
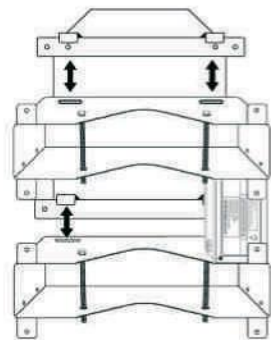
Pure Skies Receiver Installation Guide for Wall Mount



Step 1:
Fix both Wall Clamps to the wall together at the specified height. Pull the clamp to check if it is fixed tight.

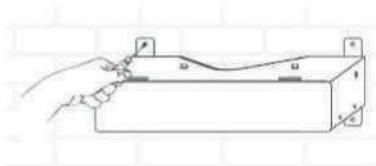


Step 2:
Fix both upper and lower Holding Clamps to the back of Pure Skies Receiver



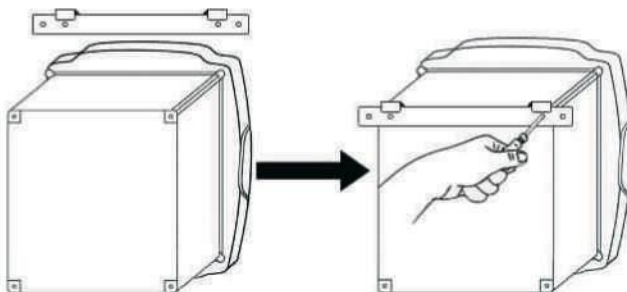
Step 3:
Insert both Holding Clamps attached with Pure Skies Receiver into wall Clamp Slots. And tight all Clamp Screws.

Pure Skies Transmitter PSDEACE Installation Guide for Wall Mount



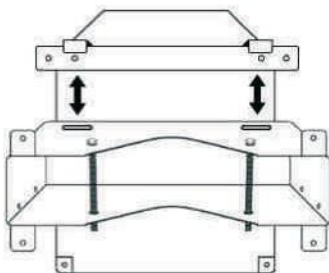
Step 1:

Fix the Wall Clamp to the wall at the specified height. Pull the clamp to check if it is fixed tight.



Step 2

Fix the Holding Clamp to the back of Pure Skies Transmitter



Step 3:

Insert the Holding Clamp attached with Pure Skies Transmitter into Wall Clamp Slots. And tight both Clamp Screws.

Starting Pure Skies Receiver & Transmitter

- ✓ Secure Pure Skies Receiver & Transmitter to a wall or pole at the installation site, Using the mounting hardware components.
- ✓ Plug in your Pure Skies Receiver & Transmitter
- ✓ Turn on the Pure Skies Receiver & Transmitter
- ✓ If the green light in the Pure Skies Receiver & Transmitter is on, it means the unit is connected to the power source and is functioning.
- ✓ Once Pure Skies Receiver & Transmitter is installed and powered on, inform Devic Earth at +91 98452 30784 / support@devic-earth.com
- ✓ Devic Earth will remotely activate and monitor the Pure Skies Receiver & Transmitter from its central office.
- ✓ Keep Pure Skies Receiver & Transmitter 24/7! Air pollution doesn't stop, and neither should Pure Skies Receiver & Transmitter

Maintenance

- ✓ Pure Skies Receiver & Transmitter is very robust, with uptime of the air pollution control units averaging 98% or more.
- ✓ Never use petrol, alcohol or solvents to clean the appliance. Never spray insecticide liquids or similar
- ✓ For safety reasons, never clean with a wet or damp cloth. please use a dry cloth for dusting only. Do not move or attempt to open Pure Skies Receiver & Transmitter during dusting
- ✓ Pure Skies Receiver & Transmitter: Pure Skies Receiver & Transmitter is maintenance free. it requires weekly dusting to keep the the unit clean externally. Before dusting or cleaning kindly unplug Pure Skies Transmitter
- ✓ IoT hardware: The IoT hardware must be replaced every 5 years (predicted life expectancy with normal use – 5 years). This would be done by a Devic Earth representative.

Troubleshooting

If the green light is not glowing or stopped working:

- ✓ Check your switchboard for current supply. If there is no current supply, contact your electrician or a certified professional for help.
- ✓ Check the input (AC) cable for the current supply. If there is no current supply, contact us on +91 98452 30784 or write to us at support@devic-earth.com.
- ✓ Check the output (DC) cable for the current supply. If there is no current supply, contact us on +91 98452 30784 or write to us at support@devic-earth.com.
- ✓ Check the LED switch. If it is not working contact us on +91 98452 30784 or write to us at support@devic-earth.com.
- ✓ For any service related to the product, contact us on +91 98452 30784 or write to us at support@devic-earth.com.

Pure Skies Receiver & Transmitter Technical Specifications

TECHNICAL SPECIFICATION: PURE SKIES Receiver

CATEGORY	FEATURE	SPECIFICATIONS
AIR POLLUTION CONTROL EQUIPMENT	Type of Antenna	Omni-directional antenna and associated electronics.
	Operating Frequency	2.4-2.5 GHz (Rx Only)
MECHANICAL	Dimensions	43 (H) x 40 (W) x 20 (D) cms
	Weight	8 kgs
MECHANICAL	Enclosure Material	FRP
	Installation/clamping	Wall or pole mounted
	Storage Temperature	0° C to 60° C
	Operational Temperature	15° C - 50° C
	Operational Humidity	30% to 65% RH, non-condensing
	Operating Altitude	Maximum altitude of 3500 ft
POWER REQUIREMENT	Power consumption	5 W
	Mains Supply	Input: 100V – 240V AC, 50/60 Hz Output: 12V DC

TECHNICAL SPECIFICATION: Transmitter PSDEACE

CATEGORY	FEATURE	SPECIFICATIONS
AIR POLLUTION CONTROL EQUIPMENT (TRANSMITTER)	Type of Antenna	Omni Directional Whip Antenna Gain: 5dBi Frequency: 2.4 – 2.5GHz
	Operating Frequency	2.425 GHz
	Effective Isotropic Radiated power (EIRP)	14 dBm
MECHANICAL	Dimensions (H x W x D)	14.13(H) x 11.61(W) x 5.11(D) inch
	Weight	3.64 Kg
	Enclosure Material	Fiberglass-reinforced polyester (FRP)
	Flammability Rating	UL94V-0
	Installation/clamping	Wall/ pole/ table mounting
	Storage Temperature	-20° to 85° C
	Operational Temperature	15° C - 50° C
	Operational Humidity	30% to 65% RH, non-condensing
	Operating Altitude	Maximum altitude of 3500 ft
CONNECTIVITY	LTE/WCDMA/GSM	850/900/1800/1900/2400MHz
	Supply Voltage	3V – 4.6V
	SIM Card	E-SIM/M2M support
POWER REQUIREMENT	Power consumption	10W
		0.5A
		100V-240V 50Hz/60Hz

FCC Compliance Statement (USA)

FCC ID: 2BL5B-PSDEACE

Compliance Statements: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including, an interference that may cause undesired operation.

Caution Statements:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Industry Canada (IC) Compliance Statement

IC : 33453-PSDEACE

Compliance Statements: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) This device may not cause interference., 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Déclarations de conformité: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution Statements:

- This equipment complies with radio frequency exposure limits set forth by Industry Canada for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.

Déclarations de mise en garde:

- Cet équipement est conforme aux limites d'exposition aux radiofréquences définies par Industrie Canada pour un environnement non contrôlé.
- Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre le dispositif et l'utilisateur ou des tiers.

INFORMATION TO THE USER

For Class A and Class B digital devices, information to the user is required to include the following statements (Section 15.105):

For a Class A digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For a Class B digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



We Destroy Pollution

Devic Earth Pvt. Ltd.

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