

15W WIRELESS CHARGER

USER MANUAL



MODEL: 35487240

Manufactured by: **APTIV Connection Systems India Pvt Ltd.**
7/60-A & 60-B
ARAKUNNAM PULICKAMALY RD
ARAKUNNAM, MULANTHURTHY-KOCHI 682313
KERALA, INDIA

Please read this manual for proper operation and keep it for future reference.

TABLE OF CONTENTS

15W WIRELESS CHARGER

Section	Title	Page
1.0	warning	2
2.0	Product Description	3
3.0	Connector Detail	4
4.0	User Instructions	5
5.0	Precaution	6
6.0	Notice	7
7.0	FCC Rule	8

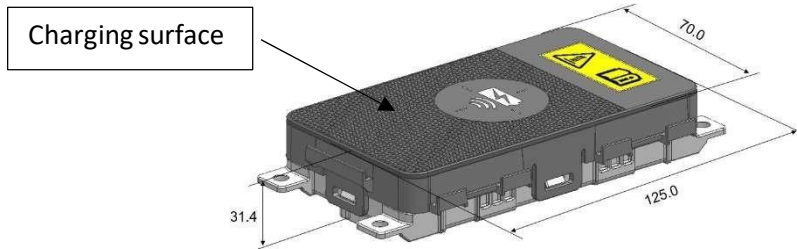


Observe the following precautions. Failure to do so may result in the possibility of equipment failure or damage, or burns due to heat.

- While charging, do not put any metallic object between the charging area and the mobile phone.(Coin, ATM card, clip etc...)
- Do not attach metallic objects, such as aluminum stickers, to the mobile phones
- Do not cover the wireless charger with a cloth or other object while charging.
- Do not attempt to charge mobile phones which are not compatible with the Qi wireless charging standard.
- Do not disassemble, modify or remove the wireless charger.
- Do not apply force or impact to the wireless charger.

SECTION 2.0

Product Description

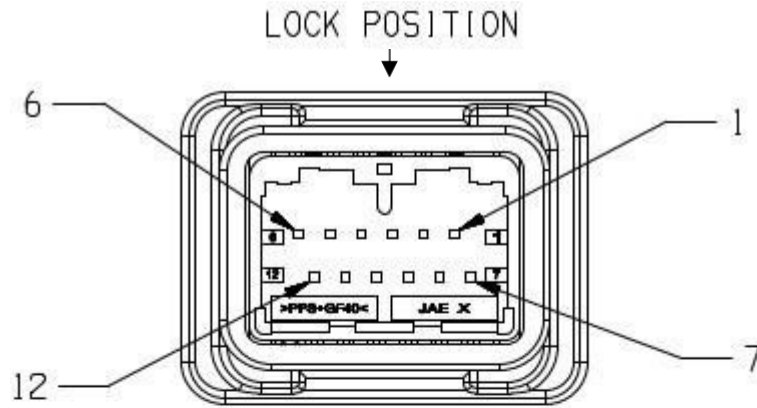


Mobile phones can be charged by just placing them on the charging area, if the Mobile phone is compatible with the Qi wireless charging standard created by the Wireless Power Consortium.

Item	Specification	
Rated Voltage	Power transfer	9V to 16V DC
	Operation	6V to 16V DC
Current consumption	+B backup	3.5A Max 1.8A Max (Typical)
	+B backup	300mA Max
	ACC	1mA Max
Dark current	+B backup	0.5mA Max
Transient Current	+B backup	16 A Max
Inrush current	+B backup(Maximum)	25 A Max
	+B backup(Average)	19 A Max
Storage temperature	-40°C to +85°C	
Operating temperature	-30°C to +70°C	
Maximum Input power (the Unit)	30W	
Maximum output power (the Receiver)	15W	
Insulation Resistance	10MΩ	
RF Range	127.7kHz	
Charging Efficiency	≥ 70%	
Protection	Short circuit Foreign object Detection Over Temperature Over Load	

SECTION 3.0

Connector Detail



12 WAY CONNECTOR : JAE - MX34R12VF1
 MATING CONNECTOR : JAE - MX34012SF1

PIN NO.	CIRCUIT
1	+B_BACKUP
2	ACC
3	DR_DOOR_SW
4	AS_DOOR_SW
5	RR_AS_DOOR_SW
6	RR_DR_DOOR_SW
7	TAIL_GATE_SW
8	LED G
9	LED A
10	IND PSS
11	NC
12	GND

SECTION 4.0

User Instructions

- 1) The Wireless Charger will automatically turn ON after 4 seconds when the car ignition is on and all the doors are closed. The LED charging indicator will turn Green during Standby mode.
- 2) Place the mobile phone into the wireless charger charging area and make sure it is aligned properly to the center of the charging area.
- 3) The LED Charging indicator light will change to Amber once the charging begins. After the charging is complete, the Amber light will change to Green.

Recharging function

- If a certain amount of time has elapsed since charging completed and the mobile has not been moved, the wireless charger will restart charging.
- If the portable device is moved within the charging area, charging will stop temporarily and then restart.

LED Charging indicator		Status
Pattern	Color	
No light up	-	<ul style="list-style-type: none"> Wireless charger is Off
Light up	Green	<ul style="list-style-type: none"> Wireless charger is On (Standby Mode) Charging is complete
Light up	Amber	<ul style="list-style-type: none"> Mobile phone is placed on the wireless charger & charging
Blinks	Amber	<ul style="list-style-type: none"> Detect foreign object Over temperature protection mode is ON

*note: No inbuilt charging indication LED available in the wireless charger.

How To Install :

- The wireless charger will be installed in the vehicle only by the vehicle manufacturers or a reputable supplier.

- always remove foreign objects from the charging area before charging the portable device.
- Be sure the surface of the charging area is clear of dust and other debris before charging.
- Do not spill liquids (i. e. water, drinks, etc.) on the Wireless charger.
- Do not use oil, grease, alcohol, benzine or thinner to clean the anti slip sheet.
- Do not try to peel off the anti slip sheet from the wireless charger.
- While charging, do not cover the Wireless charger with a towel, cloth, or other objects.
- Avoid spraying aerosols which may come in contact with the charge pad surface.
- Depending on the type of cover and/or accessory attached, it may not be possible to charge the mobile phones. If the mobile phone is placed in the charging area and does not charge, remove the cover and/or accessories.
- While charging, the wireless charger and the portable device will become warm. This is not a malfunction. If a portable device becomes warm while charging and charging stops due to its protection function, wait until it cools down and charge it again.

- Charging will be suspended temporarily when any door is opened. Charging will resume after the door is closed.
- Mobile phones compatible with the Qi wireless charging standard can be charged by the wireless charger. However, compatibility with all devices which meet the Qi wireless charging standard is not guaranteed.

In the following situations, the wireless charger may not operate correctly:

- When the mobile phone is fully charged.
- When the mobile phone becomes hot while charging.
- When the ambient temperature is high.
- When the mobile phone is not centered on the charging area.
- When there is a foreign object between the charging area and the mobile phone.
 - I. Cards (ATM, ID, RFID & SIM etc..)
 - II. Gum wrapper(aluminium foil)
 - III. Hair Clip
 - IV. Coins
 - V. Metal Washers
 - VI. Metal Bracelet
 - VII. Paper clip
 - VIII. Earrings
 - IX. Small screws
 - X. Key, keyring, smart key etc....

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 and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

Federal Communications Commission (FCC) Statement 15.105(b):

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.

Compliance statement 15.21:

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. The Transmitter shall always be installed ensuring a minimum separation distance of 20cm between the antenna and the user.