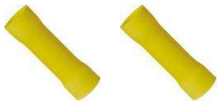
MAX™ Wireless Charger

Part#: IC-XX-3

INSTALLATION INSTRUCTIONS

PARTS / TOOLS NEEDED:			
			
Inductive Charger	Mounting Screws (not provided)	Power Drill & Hole Saw	Marine Grade Splices (not provided)

Safety/Installation Considerations

- Disconnect power before installing, adding or changing any component.
- To avoid a hazard to children, account for all parts and destroy all packing materials.
- *Electrical Specs:*
  Input voltage: 10-30V DC| Charging Capacity: Up to 10W (device limited) | Max Current: 1.5A @ 12V | Standby Current: 0.03A
- Positive (+) outputs require a fuse if the attached wire leads are not rated to handle the max current.
- The charger has been designed to work with Qi compatible devices.
- The charger has been designed to charge and operate within the receiving device's thermal parameters. Low or high temperatures might cause the receiving device to change their charging behavior to regulate its temperature and preserve battery life. Typical temperature ranges are 0°C to 35°C (32°F to 95°F). When exceeding these operating temperatures, the phone and/or the charging device may temporarily stop charging to protect from overheating.
- The wireless charging module has been designed to be optimized with no case installed. If a thick phone case is added to the distance between the charger surface and the phone it may cause the device to not charge or to temporarily shut down to protect from over-heating.
- Qi Certified parts include: IC-01-3, IC-01-3-DT, IC-01-3-PACK, IC-02-3, IC-02-3-PACK, and IC-02-3-DT

Wireless Charging Best Practices

- Choose compatible cases specifically designed for wireless charging, made from non-ferrous (not containing iron or steel) materials
- Avoid metal near the charging surface which can reduce charging speed or cause overheating of the metal in the case
- Position devices properly by aligning the charging coil on your phone with the coil centered
- Watch for overheating: phone and charger may get warm while charging, but excessive heat can indicate improper charging or obstruction. Check for obstructions and remove devices immediately to dissipate heat
- All ITC chargers are equipped with thermal foldback features which will slow or stop charging if excessive heat or foreign objects are sensed

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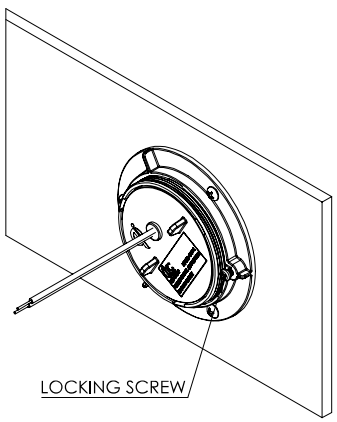
Surface Mount Install:

1. Determine the installation location, making sure there is enough room to accommodate the mounting nut on the back.
2. Drill a 3" hole.
3. Install the charger and tighten the provided plastic nut.
4. Tighten the locking screw on the nut to prevent any loosening from vibration.
5. Wire to the system following the diagram below.



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For warranty information please visit www.itc-us.com/warranty-return-policy

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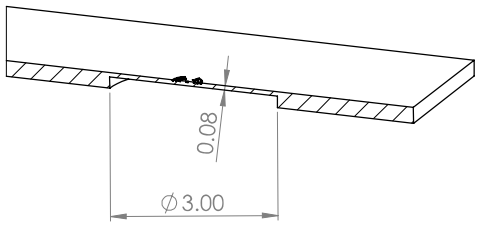
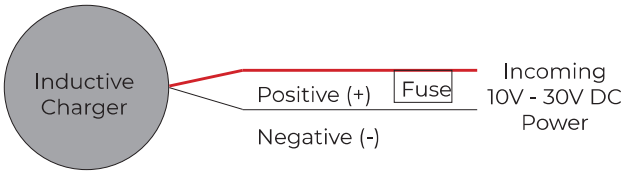
Under Mount Install:

1. Determine the installation location, making sure there is a flat surface on the front and enough room to accommodate the mounting nut on the back. A recessed pocket will need to be routed to a depth so that the *maximum distance between the charger and phone is 2mm*.
2. *Substrates 2mm (0.08") or thinner:* Route a counter bore hole that is 3" in diameter to clear the charger.
   Substrates thicker than 16mm (0.625"): Route an additional counter bore hole to accommodate the nut.
3. Assemble the retaining nut to the charger with a small amount of the charger sticking above the face of the nut.
4. Insert the charger into the hole, and if thickness allows screw in place. If material is too thin for screws the adhesive pads on the nut and/or charger can be used for attachment. Remove the paper backing on the round adhesive pad and attach it to the charger. Remove the red backing and stick to the surface.
   Follow 3M recommendations on surface prep and hold times for proper adhesion. Not all surfaces are appropriate for 3M adhesive, in these cases it is the responsibility of the installer to select an adhesive that will bond with the nut and surface appropriately.
5. Slowly turn the nut until it bottoms out on the back side of the mounting surface. Do not over tighten. Once installed to the correct depth, tighten the locking screw to prevent any loosening of the nut from vibration.
6. Wire to the system following the diagram at the right.





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