

User Manual

TX91513 – 915 MHz Transmitter



PRODUCT DESCRIPTION

The Powercast TX91513 transmitter has been designed to provide power to product labels and packaging in a store. The TX91513 is housed in a durable plastic case with several mounting options. Operational power is provided to the DC power connector. The TX91513 includes a status LED to provide feedback on functional state. The TX91513 has a factory set, fixed power output of 3W EIRP. Once properly mounted, transmission is initiated by applying power to the TX91513.



APPLICATIONS

- Illuminated product packaging
- Illuminated product labeling

FEATURES

- FCC approved
- Flexible mounting options
- Fully integrated system
- Transmits power
- Wide temperature range

PRODUCT CONTENTS

The following items are included:

Qty	Description
1	915 MHz transmitter
1	Power supply
1	Power supply cable
1	Quick Start instruction card

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Powercast products and technology are covered by one or more of the following patents and other patents pending:

6,289,237 | 6,615,074 | 6,856,291 | 7,027,311 | 7,057,514 | 7,639,994 | 7,643,312 | 7,812,771 | 7,844,306 | 7,868,482 | 7,898,105
7,925,308 | 8,159,090 | 8,350,255 | 8,432,062 | 8,461,817 | 8,621,245 | 9,000,616 | 9,021,277 | 9,107,579 | 9,251,699 | 9,706,924

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SET-UP AND OPERATION

1. Mount the TX91513 in the desired location with the Powercast logo and status LED facing the direction in which the energy is desired.
2. Plug the DC connector of the power supply into the connector on the TX91513. Plug the power supply into a 120V outlet.
3. When the green LED illuminates, the TX91513 is active and transmitting radio frequency (RF) energy.

The status LED indicates the following operating conditions:

LED	Status	Description
Off	Off	5VDC is not applied
Green	Active	Transmitting normally
Red	Idle	TX91513 is powered but not actively transmitting
Blinking Red	Fault	TX91513 is in a fault condition such as overheating

SPECIFICATIONS

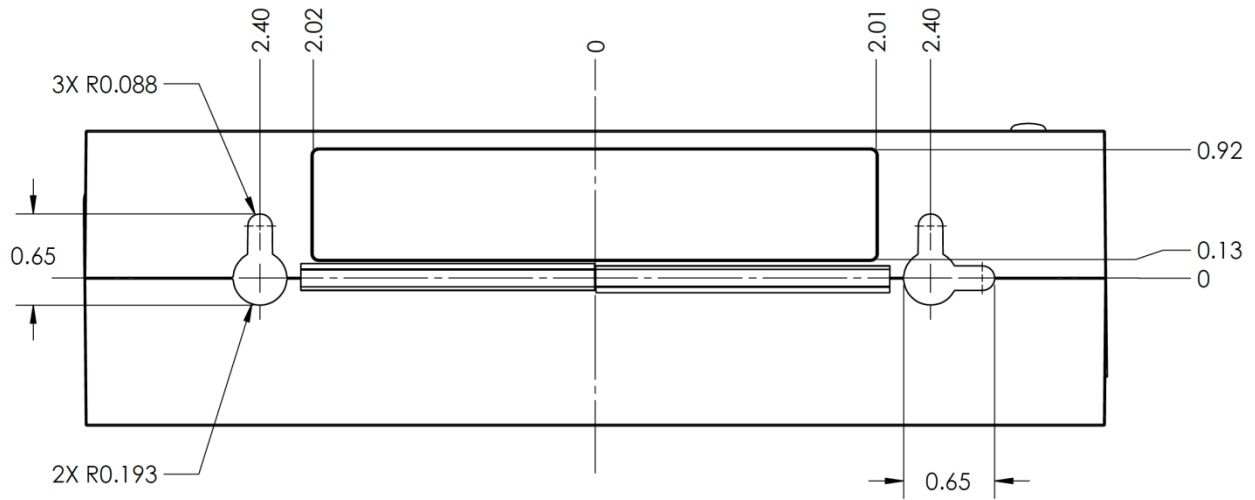
Item	Description
Modulation	Power: Direct Sequence Spread Spectrum (DSSS)
Frequency	915 MHz Center Frequency
Power output	3 watts EIRP
Beam pattern	70° width, 130° height Horizontal Polarization
Approvals	United States - FCC ID: YESTX91513
Operating Temperature	-20°C to 40°C
Environment	Indoor use only
Mounting	Mount in the desired location to create a power area. 2 keyholes (See mechanical drawing for dimensions) for wall mounting
Power	5VDC/1A through included Power Supply
Color	Black/Blue
Dimensions	7.3" × 2.1" × 1.4" (185.4 x 53.3 x 35.6 mm)

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MECHANICAL (REAR VIEW)



*Dimensions in inches

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SUPPORT

Technical support for Powercast products can be initiated through the following methods:

Website contact form: <http://www.powercastco.com/contact/>

Telephone: +1 412-455-5800

COMPLIANCE STATEMENTS

This device is intended to be located under or behind a store shelf to illuminate product labels and packaging on the shelf.

Changes or modifications not expressly approved by Powercast could void the user's authority to operate the equipment. Use and maintain device only as specified in this manual.

This equipment has been tested and found to comply with Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in an 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 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.

WARNING!

FCC Radiation Exposure Statement:

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) & user's/nearby person's body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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