



# Portal Exciter

FCC ID: ISEPEX

The PerceptIs™ Portal Exciter, part of the PerceptIs Buddy™ System, is a low frequency transmitter. The Portal Exciter's transmissions cause approaching PerceptIs Buddy tags to transmit location information to the PerceptIs Local Area Receivers.

## Tools and Materials Required

- PerceptIs Portal Exciter (p/n 805A1801)
- Drill and drill bits
- Keypad
- Wire

## Installing the Portal Exciter

The PerceptIs Portal Exciter connects to the LonWorks® network. Use the PerceptIs software to setup, configure, and control the PerceptIs Portal Exciter.

1. Install the PerceptIs Portal Exciter above the area to be protected, usually a doorway.
2. Position the Portal Exciter in the required location. Mark the mounting holes. Remove the Portal Exciter. Drill the mounting holes. Replace the Portal Exciter and secure with screws. Place the four caps (provided) over the mounting holes.
3. Connect the Portal Exciter to the LonWorks network.  
Note: To ensure the Portal Exciter cannot be removed, do not leave more than 2 ft. (0.6 m) of slack wire.
4. Connect the door contacts and the keypad to the Portal Exciter.
5. Attach the power supply to the Portal Exciter.
6. Connect the power supply to a 110 VAC outlet.

## Configuring the Portal Exciter

The PerceptIs software configures all Portal Exciters directly from the PerceptIs computer. Please see the PerceptIs Installation Manual for configuring information.

## Specifications

Frequency	312.5 kHz
Supply Voltage	12 VDC
Current Draw	less than 400 mA
Detection Radius	10 ft. (3 m)
Communications	LonWorks® two wire
Temperature	32° to 122° (0° to 50° C)
Humidity	0 – 90% RH @ 70° F (21° C), non-condensing
Dimensions	Approximately 14.2 x 4.9 x 2 in. (360 x 124 x 50 mm)
Weight	Approximately 18.7 oz. (530 g)

## Statements

### United States – FCC

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.

### Canada – ISC

This device complies with RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## INSTANTEL® LOCATING TECHNOLOGIES

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Telephone: 613-592-4642 or 800-267-9111 Facsimile: 613-592-4296 Visit us at our Website <http://www.instanTel.com/perceptis>

## Reference Documents

Please refer to the PerceptIs Installation Manual (p/n 805I0301) and the PerceptIs System Manual (p/n 805U0601) for more information.

## Warnings

No User Adjustments – there are no user adjustments. Tampering with the internal circuitry may cause component or system failure, or both, and will void the warranty.

Follow Installation Instructions Precisely – instructions must be carefully followed throughout the installation of all PerceptIs Portal Exciters. Failure to follow the instructions may cause degraded performance.

Electrostatic Discharge could damage the PerceptIs Portal Exciters when handling the internal components. Touch your hand to ground to discharge any electrostatic charge on you before handling the components.

## Warranty

Instantel's products are warranted against defects in materials and workmanship and shall perform in accordance with published specifications for a period of one year. Instantel Inc. reserves the right to change specifications without notice.

## Limitation of Liability

This Product has been designed for use to: a) assist personnel in summoning help when they are under personal duress, b) assist in the prevention of infant abduction c) locate assets, d) assist in the prevention of the loss of assets and/or e) to reduce the risk of resident wandering through remote detection.

The range, accuracy, function and performance of this Product may vary from the published specifications due to many factors, including, without limitation, site impairments from structural effects, metal objects in the vicinity, placement of the receiver and transmitter, interference from other electrical devices, atmospheric effects, installation, and maintenance. There may be other factors which also affect performance of this Product. Instantel does not guarantee that this Product will: a) detect 100% of the calls for personal assistance, b) detect 100% of infant abductions, c) locate all assets 100% of the time, d) prevent the loss of assets, and/or e) detect 100% of resident wandering nor does Instantel guarantee that this Product will not return false reports of resident wandering.

Monthly testing and maintenance of this Product, as described in the Product documentation, is essential to verify the system is operating correctly and to

ensure that the probability of detecting an alarm and locating the tag are maximized. The failure to undertake regular testing and maintenance will increase the risk of system failure and: a) failure to report personal duress calls, b) failure to locate assets, c) failure to prevent the loss of assets.

Instantel hereby disclaims all warranties, express or implied, arising out of or in connection with any of its Products of the use or performance thereof, including but not limited to, where allowable by law, all other implied warranties or conditions of merchantable quality and fitness for a particular purpose and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

Instantel's liability to you or anyone claiming through or on behalf of you with respect to any claim or loss arising out of the use or misuse of Instantel's Product, defective products or materials, improper installation or maintenance of Instantel's Product or products or the system in which they are incorporated, or alleged to have resulted from an act or omission of Instantel or any person, negligent or otherwise, shall be limited to:

- A) The repair or replacement of defective Product or materials supplied by Instantel during the warranty period as set out in the Product documentation; or, at the option of Instantel,
- B) Refund of the purchase price of the Product supplied by Instantel.

In no event shall Instantel be liable for general, specific, indirect, consequential, incidental, exemplary or punitive damages or any losses or expenses suffered by you or anyone else, whether or not Instantel, or its employees, officers, agents, resellers or installers has been informed of the risk of such loss or expense and whether or not such losses or expenses were foreseeable.

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