Lamp Control Module
L206RF and L206RF.D™

Issue Date: March 3, 2005
Revision 5: Feb 27, 2006

OVERVIEW

The L206RF is designed to convert a standard lamp into a radio frequency (RF) controllable lamp. The module replaces the standard Edison-type bulb socket in single-incandescent-bulb, plug-in lamps. It is an addressable mini lamp transceiver which provides for both on-lamp mechanical switch control and wireless RF control of the lamp. It includes a "harp holder" fitting and is suitable for use with most North American style lamps. The L206RF forms part of a typical INNCOM RF room control system.

Operation

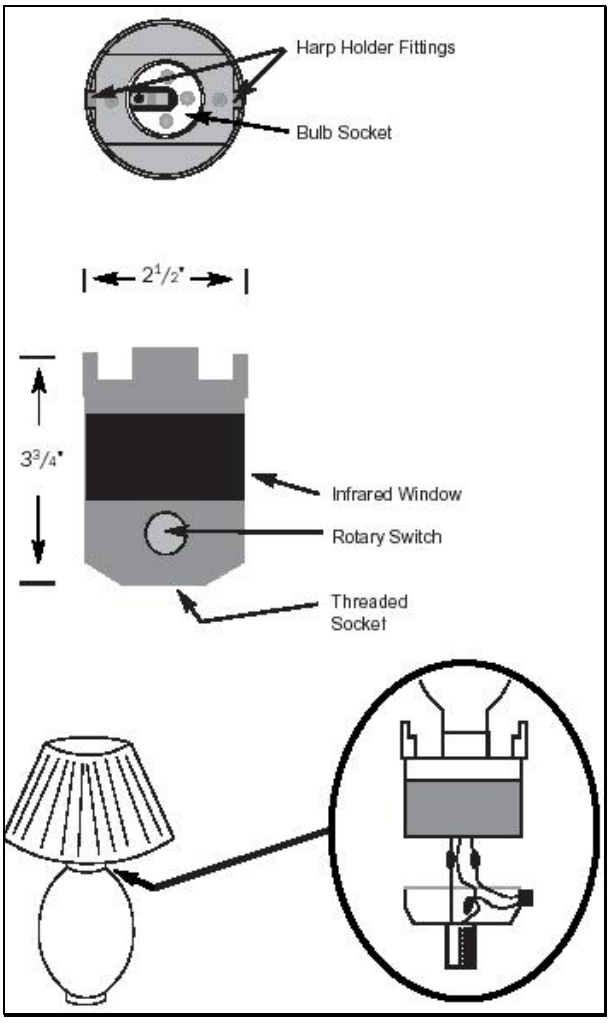
For local control, a rotary switched is turned to select the next level of pre-set dimming setting (off, low, medium, high). For dimmers, a self-centered rotary knob can be used to dimm up and down based on the angle of switch rotation.

For remote RF operation, the same functionality is achieved by using remote control commands from any compatible INNCOM device. For example, the lamp may be turned on or off or dimmed using the keys on the GDA-700 Touchscreen Telephone/Control Console, or it could automatically be turned on and adjusted to a preset brightness level through commands from the E528 Digital Illuminated Thermostat upon guest check-in … or automatically turned off upon guest check-out.

Installation

⚠ **Caution: Disconnect power before making connections**. Improper wiring or installation may cause damage to this device.

Typical installation time is less than fifteen minutes per lamp for retrofit. For new construction or refurbishment projects, the L206RF is normally provided to the lamp manufacturer for factory installation, so lamps arrive on site with pre-installed L206RF modules.



Maintenance and Trouble Shooting

In case of problems, assure that the light bulb is working and that the light bulb is tightly screwed into the socket. Use the manual switch to test if the lamp can be controlled manually. If that is the case, test the light can be controlled via RF signal. As the L206RF contains no maintainable parts, the unit needs to be replaced in case of any malfunction.

Features

- Creates remote control capability for any existing or specified lamp.
- Provides full dimming capability for any incandescent.
- Remotely changeable device and room address.
- Extends light bulb life by using "soft on" and operation slightly below maximum rated voltage.
- "Repeater" capability: L206RF can relay RF commands to achieve an increased RF coverage to other INNCOM devices.

Programming

TBD

ORDERING SPECIFICATIONS

L206RF 110-120VAC On/Off	01-9058. 110
L206RF 220-240VAC On/Off	01-9958. 220
L206RF.D 110-120VAC Dimmer	01-9058.D-110
L206RF.D 220-240VAC Dimmer	01-9958.D-220

TECHNICAL SPECIFICATIONS

Operating Voltage	110-120VAC ± 10% or 220-240VAC ± 10%
Operating Frequency	60 ± 1 Hz or 50 ± 1 Hz (auto detect)
Operating Temperature Range	0-40 °C
Operating Humidity Range	0-95%rh
Minimum Load	25W
Maximum Load	100W
Color	Gold
Load Type Dimming	Incandescent
Load Type On/Off only	Incandescent, energy savings lamp, compact fluorescent
Room Identification Range	1..65534
In-Room Device Addressing Range	1..199
RF Band	914 MHz
Control Functions	On, Off, Dimm Up, Dimm Down, Dimm to Value, Save Current, Save Current and Off, Restore Saved
Dimensions, Control Module	2.5" (Diameter) x 3.75" (Height)
Weight	
Approvals	ETL, FCC

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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:

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.