

Toni M. Ruel  
Sr. Validation Engineer  
Johnson Controls Inc.  
507 East Michigan St.  
Milwaukee, WI, 53202, USA  
Tel 414/524-6225



**8 POINT MODULAR LETTER – MOBILE TEMPLATE**

Re: Modular Transmitter Approval  
**FCC ID: OEJ-WRZRADIO**  
**IC: 279A-WRZRADIO**

Gentlemen,

The following information is being provided per the requirements of 15.212 regarding modular approval of Part 15 devices. For Canada, per the requirements of RSS-GEN 7.1.1 (2007). This transceiver is a complete RF module with an integral reference oscillator. External connections are provided for power and data communication.

The following numbered items correspond to similarly numbered paragraphs in 15.212. Each item is a response to the requirements of that document.

- 1) The module has integral RF shielding to isolate it from surrounding equipment and the larger environment in general.
- 2) All inputs are processed as data by the on-board microcontroller. The outside user has no direct control of transmit modulation.
- 3) There is a 1.8V voltage regulator on board that powers the radio transceiver. The power amplifier supply is monitored by the microcontroller and transmission is disabled if the source voltage is greater than 3.6V.
- 4) Assembly options for this module include an integral PCB – trace antenna. This is in accordance with Part 15.203. A second assembly option uses an external antenna. That option uses a MMCX style connector. The module is only used in Johnson Controls Inc manufactured equipment so the company controls the final application and installation instructions. The only approved antenna with cable is shipped with the product that has the radio module installed. There is a notification in the installation instructions warning not to use another antenna, alter the antenna or modify the connecting cable. This is in accordance with Part 15.212 paragraph B.
- 5) The module was tested in a stand-alone configuration and found to be compliant with Part 15 regulations.
- 6) An FCC ID label is affixed to each unit at the time of manufacture. Information is also clearly presented in the user guide about labeling requirements for the final assembly.
- 7) This unit is compliant with Part 15.247. Installation and other requirements are presented in the user guide to allow the unit to be correctly installed.
- 8) The unit is compliant with the RF exposure requirements of Parts 15.247 and 2.1091.

Further information may be obtained from Johnson Controls, Inc.

Sincerely,

A handwritten signature in black ink, appearing to read "Toni M. Ruel", written over a horizontal line.

Toni M. Ruel  
Sr. Validation Engineer