



Excellence in Compliance Testing

Certification Exhibit

**FCC ID: SK9R300S-2
IC: 864G-R300S2**

**FCC Rule Part: 15.249
IC Radio Standards Specification: RSS-210**

ACS Report Number: 08-0462-15C

**Manufacturer: Itron Electricity Metering, Inc.
Model: R300S2**

Installation Guide



R300S2 Transmitter Module Installation Manual

These instructions describe the process of installing the R300S2 transmitter module in the SENTINEL meter.
At the completion of this installation process, the SENTINEL meter will be able to transmit data via a wireless radio.

Compliance with FCC and Industry Canada Regulations

FCC Part 15, Class B

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

RF Exposure

In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm.

Industry Canada ICES-003, Class B

This Class B digital apparatus complies with Industry Canada ICES-003.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B est conforme a la norme NMB-003 du Canada. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interference reçue, y compris l'interférence qui peut causer l'opération peu désirée.

Changes or modifications to this device not expressly approved by Itron, Inc. could void the user's authority to operate the equipment.

Installation Procedure



Figure 1: Removal of Outer and Inner Covers

To install the R300 option board in a SENTINEL meter, perform the following steps:

- 1 Prior to taken meter out of service, download all pertinent data from the meter.
- 2 Remove power from meter.
- 3 To install the R300S2, remove the meter outer cover and inner cover exposing the circuit board As shown in Figure 1.



Figure 2: R300 Ribbon Cable Connection

- 4 Connect the R300S2 ribbon cable connector to the meter as shown in Figure 2. Press the connector into the built-in guide of the lower housing and firmly slide it onto the register board connector until it snaps in place.

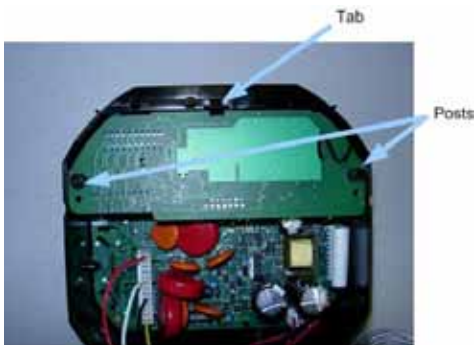


Figure 3: R300 Module in Meter

- 5 Place the R300S2 inside of the meter as shown in Figure 3. The R300S2 board will fit securely on the left and right posts. Press back on the tab located in the center of the inner cover. Make sure the R300S2 board is placed beneath the tab. Once this is done, release the tab to hold the R300S2 board in place.
- 6 Close the meter. Place the FCC label in a visible location on the meter nameplate and install the meter cover.

The R300S2 is now installed.

You will now need to re-program your meter with these additional features to enable them.

Notes:

Itron, Inc.
Corporate Headquarters
2818 North Sullivan Road
Spokane, WA 99216
U.S.A.
Tel: (509) 924-9900
Fax: (509) 891-3355

www.itron.com

Itron, Inc.
Oconee Electricity Metering
313-B North Highway 11
West Union, SC 29696
U.S.A.
Tel: (864) 638-8300
Fax: (864) 638-4950