

TransPondIT® for CENTRON® Installation Instructions

Models 915-120, 915-122



Description

The TransPondIT for CENTRON® is an AMR module that has been designed specifically for use with the CENTRON solid-state electric meter. The TransPondIT sends meter data via radio frequency (RF) signal to a receiving unit: HandTrackIT®, FastTrackIT® or CellTrackIT®.

Note: Please refer to the *Technical Reference Manual TransPondIT for CENTRON Solid State Electric Meter* for further information on the product.

Required Equipment

The following items are required for TransPondIT installation:

- CENTRON meter (see compatibility chart)
- Computer running Windows XP® or Windows 2000®.
- ConFigIT Electric (serial) [360-200-10]
- RS232 cable [320-310-10]
- ConFigIT cable [K442436-001] & connector [K42395-001]
- ConFigIT software PC version 6.5 or higher

Installation Instructions

Remove the meters outer and inner covers being careful NOT to interfere with the meters light pipe (see figures 1-3).

If applicable remove the black board-to-board connector and the existing personality module (see figure 4).

Install the TransPondIT making sure that the PCB notches align with the meter snaps (see figure 5).

Connect to the metrology board using the board-to-board connector.

Ensure that the connector is pushed fully home.

Refit both inner and outer meter covers.



Fig 1: Inner cover



Fig 2: Remove cover



Fig 3: Light pipe

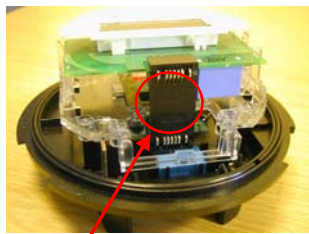


Fig 4: Board-to-board connector

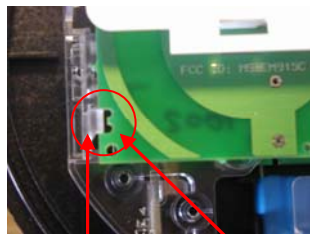


Fig 5: Meter snap and PCB notch

Configuration Procedure

1. The TransPondIT should only be configured when the meter is un-powered.
2. If the default settings (see 'Factory Default Settings' section) are suitable for the installation then:
 - Simply plug the meter into the meter socket and apply mains. The TransPondIT derives its power from the meter.
3. If the default settings need to be changed, then please refer to the Technical Reference Manual for Centron TransPondIT for more detailed information on setting specific parameters.
4. Verify that the TransPondIT is transmitting valid data and is reported with the appropriate receiving device from the desired location.
5. Verify that the reported reading corresponds to the visual indication on the meters LCD.

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Status Codes

The TransPondIT for CENTRON can report the following codes:

Error Code	Description
1	Reverse energy flow detected
2	Metrology board failure
4	CAL pulse filtering
8	NVRAM Failure

Multiple errors are possible: ConFigIT PC software will decode errors.

Meter Compatibility Chart

Form	1S	2S	2S	3S	3S	4S	12S
Volts	120V	240V	240V	120V	240V	240V	120V
Class	100	200	320	20	20	20	200
Cat. No:	915-120	915-122	915-122	915-120	915-122	915-122	915-120

Factory Default Settings

The TransPondIT is provided with the following default settings:

XPDR ID	Meter Reading	LCD test	Display format	Reverse count?	Tx Interval	UC
(04xxxxxx)	0	Enabled	5*1	Decrement register	5s	55

Where: 'XPDR ID' = TransPondIT ID and 'UC' refers to the utility code.

Warning

Changes or modifications to the product not expressly approved by Blue Tower Communications Ltd could void the user's authority to operate the equipment. See also Federal Communications Commission and Industry Canada information below.

FCC Information

TransPondIT for CENTRON devices 915-120 and 915-122 comply with part 15 of the FCC Rules. The devices are approved for use only in CENTRON electricity meters and 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.

This device 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 or television reception, which can be determined by turning the equipment on and off. 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

Industry Canada Information

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.