



2432

Programmer User's Manual

**RM2432, EX2432 & RM2402 Spread Spectrum
Receivers
Setup & Configuration**

RM2432 Receiver Setup and Configuration

License Agreement for Automation Components, Inc. Software

IMPORTANT-READ THESE TERMS CAREFULLY BEFORE INSTALLING THIS SOFTWARE.

THESE TERMS AND CONDITIONS ESTABLISH A CONTRACT BETWEEN YOU INDIVIDUALLY IF YOU ARE AGREEING TO IT IN YOUR OWN CAPACITY, OR IF YOU ARE AUTHORIZED TO AGREE ON BEHALF OF YOUR COMPANY OR ANOTHER ORGANIZATION, BETWEEN THE ENTITY FOR WHOSE BENEFIT YOU ACT ("YOU"), AND ACI. BY INSTALLING THIS SOFTWARE PACKAGE, YOU ACKNOWLEDGE THAT YOU HAVE READ THIS LICENSE AGREEMENT, THAT YOU UNDERSTAND IT, AND THAT YOU AGREE TO BE BOUND BY ITS TERMS. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT OR IF YOU DO NOT UNDERSTAND THEM, PROMPTLY RETURN THE UNOPENED PACKAGE AND ALL ACCOMPANYING ITEMS TO ACI FOR A FULL REFUND.

1. Grant of License for Registered Users

ACI grants you a non-exclusive, non-transferable license to use the software program with which this license is distributed (the "Product"), including any documentation files accompanying the Product ("Documentation") on any single computer. You may use the Product on a second computer so long as only one (1) is used at a time.

2. Backup Copy

You may make one backup copy of the Product. You may use it only to reinstall the Product.

3. Ownership

You have no ownership rights in the Product. Rather, you have a license to use the Product as long as this License Agreement remains in full force and effect. Ownership of the Product, Documentation and all intellectual property rights therein shall remain at all times with ACI. Any use of the Product by any other person, business, corporation, government organization or any other entity is strictly forbidden and is a violation of this License Agreement. You may not make more copies of the Product than specified in this agreement or allowed by applicable law, despite this limitation; publish the Product for others to copy; or rent, lease or lend the Product.

4. Copyright

The Product and Documentation contain material that is protected by United States Copyright Law as well as other intellectual property law and international treaty provisions. All rights not granted to you herein are expressly reserved by ACI. You may not remove any proprietary notice of ACI from any copy of the Product or Documentation.

5. Restrictions

You may not publish, display, disclose, rent, lease, modify, loan, distribute, or create derivative works based on the Product or any part thereof. You may not reverse engineer, decompile, translate, adapt, or disassemble the Product, nor shall you attempt to create the source code from the object code for the Product. You may not transmit the Product over any network or between any devices, although you may use the Product to make such transmissions of other materials. You may access the Product from only one computer at a time.

6. Limited Warranty

ACI WARRANTS THAT THE PRODUCT WILL OPERATE SUBSTANTIALLY IN ACCORDANCE WITH THE THEN CURRENT DOCUMENTATION. SHOULD THE PRODUCT NOT SO OPERATE, YOUR EXCLUSIVE REMEDY, AND ACI'S SOLE OBLIGATION UNDER THIS WARRANTY, SHALL BE, AT ACI'S SOLE DISCRETION, CORRECTION OF THE DEFECT OR REFUND OF LICENSE FEES PAID BY YOU FOR THE PERIOD DURING WHICH THE DEFECT WAS NOT CORRECTED AND MATERIALLY AFFECTED THE OPERATION OF THE PRODUCT. ANY USE BY YOU OF THE PRODUCT IS AT YOUR OWN RISK. THIS LIMITED WARRANTY IS THE ONLY WARRANTY PROVIDED BY ACI REGARDING THE PRODUCT. EXCEPT FOR THE LIMITED WARRANTY ABOVE, THE PRODUCT IS PROVIDED "AS IS." TO THE MAXIMUM EXTENT PERMITTED BY LAW, ACI DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ACI DOES NOT WARRANT THAT THE FUNCTIONS CONTAINED IN THE PRODUCT WILL MEET ANY REQUIREMENTS OR NEEDS YOU MAY HAVE, OR THAT THE PRODUCT WILL OPERATE ERROR FREE, OR IN AN UNINTERRUPTED FASHION, OR THAT ANY DEFECTS OR ERRORS IN THE PRODUCT WILL BE CORRECTED, OR THAT THE PRODUCT IS COMPATIBLE WITH ANY PARTICULAR PLATFORM. SOME JURISDICTIONS DO NOT ALLOW THE WAIVER OR EXCLUSION OF IMPLIED WARRANTIES SO THEY MAY NOT APPLY TO YOU.

7. Limitation of Liability

IN NO EVENT WILL ACI BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, INDIRECT, SPECIAL, PUNITIVE, OR EXEMPLARY DAMAGES FOR LOSS OF BUSINESS, LOSS OF PROFITS, BUSINESS INTERRUPTION, OR LOSS OF BUSINESS INFORMATION) ARISING OUT OF THE USE OF OR INABILITY TO USE THE PROGRAM, OR FOR ANY CLAIM BY ANY OTHER PARTY, EVEN IF ACI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ACI'S AGGREGATE LIABILITY WITH RESPECT TO ITS OBLIGATIONS UNDER THIS AGREEMENT OR OTHERWISE WITH RESPECT TO THE PRODUCT AND DOCUMENTATION OR OTHERWISE SHALL NOT EXCEED THE AMOUNT OF THE LICENSE FEE PAID BY YOU FOR THE PRODUCT AND DOCUMENTATION. BECAUSE SOME STATES/COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

8. Export Restrictions

THIS LICENSE AGREEMENT IS EXPRESSLY MADE SUBJECT TO ANY LAWS, REGULATIONS, ORDERS, OR OTHER RESTRICTIONS ON THE EXPORT FROM THE UNITED STATES OF AMERICA OF THE PRODUCT OR INFORMATION ABOUT SUCH PRODUCT WHICH MAY BE IMPOSED FROM TIME TO TIME BY THE GOVERNMENT OF THE UNITED STATES OF AMERICA. YOU SHALL NOT EXPORT THE PRODUCT, DOCUMENTATION, OR INFORMATION ABOUT THE PRODUCT AND DOCUMENTATION WITHOUT CONSENT OF ACI AND COMPLIANCE WITH SUCH LAWS, REGULATIONS, ORDERS, OR OTHER RESTRICTIONS.

9. Termination

This License Agreement is effective until it is terminated. You may terminate this License Agreement at any time by destroying or returning to ACI all copies of the Product and Documentation in your possession or under your control. ACI may terminate this License Agreement for any reason, including, but not limited to, if ACI finds that you have violated any of the terms of this License Agreement. Upon notification of termination, you agree to destroy or return to ACI all copies of the Product and Documentation and to certify in writing that all known copies, including backup copies, have been destroyed. All provisions relating to confidentiality, proprietary rights, and non-disclosure shall survive the termination of this Product License Agreement. Additionally, it is understood that termination of this Agreement will not affect a refund of any license fees paid or owed to ACI.

10. General

This License Agreement shall be construed, interpreted and governed by the laws of the State of Wisconsin without regard to conflicts of law provisions thereof. The exclusive forum for any disputes arising out of or relating to this License Agreement shall be an appropriate federal or state court sitting in the State of Wisconsin, USA. This License Agreement shall constitute the entire Agreement between the parties hereto. Any waiver or modification of this License Agreement shall only be effective if it is in writing and signed by both parties hereto. If any part of this License Agreement is found invalid or unenforceable by a court of competent jurisdiction, the remainder of this License Agreement shall be interpreted so as to reasonably effect the intention of the parties.

Table of Contents

1. Introduction	4
2. Features	4
3. Configuration Software System Requirements	5
4. Configuration Software Installation	6
5. Connecting the RM2432 or RM2402 receiver to a PC	6
6. Creating a RM2432 Configuration File.....	7
7. Transmitter ID	8
8. Transmitter Channel	9
9. Data Format, Range Start & Range End	11
10. Miscellaneous Settings	12
11. Saving and Downloading the Configuration File.....	13
12. Creating and Downloading a RM2432/EX2432 Configuration File	15
13. Creating a RM2402 Configuration File	17
14. Creating a RD2432 Configuration File	18
15. Creating a RD2402 Configuration File	19
16. Activating the Configuration File	19

1. Introduction

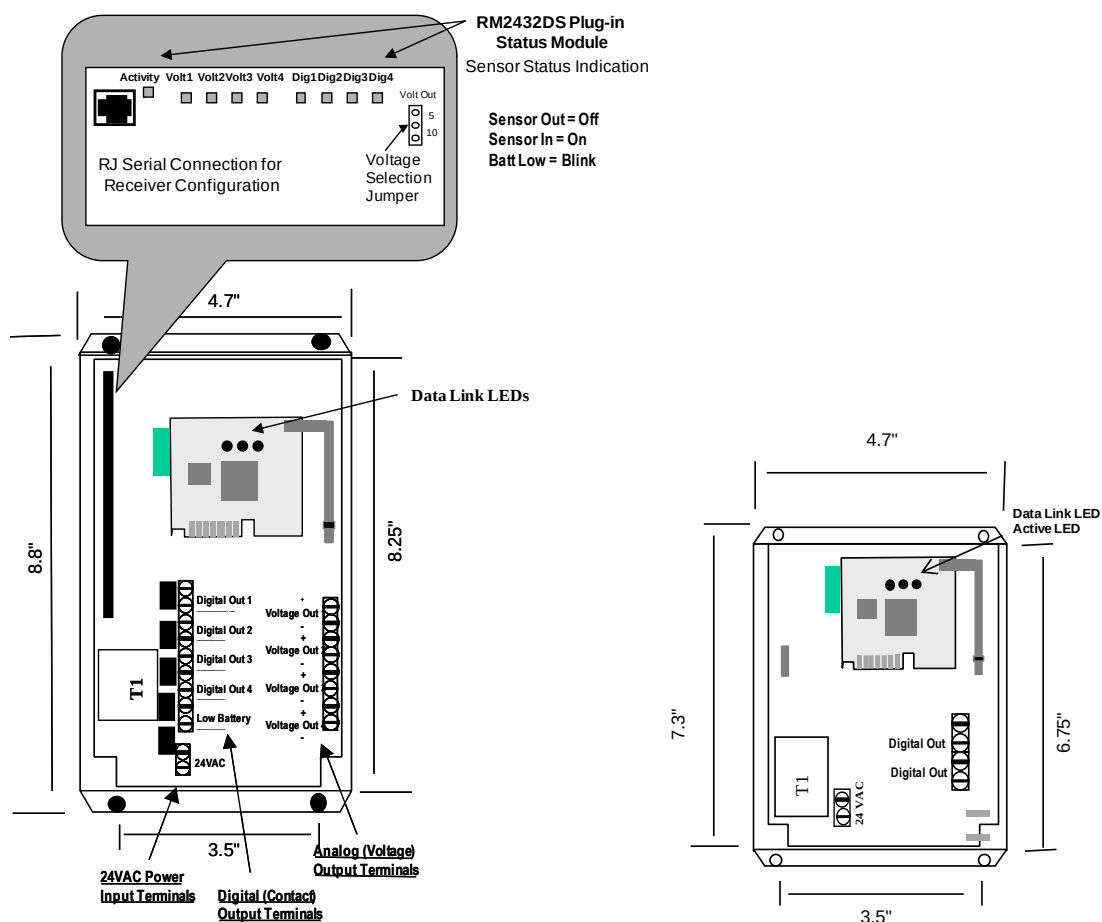


**Spread Spectrum Receiver
With Analog And Digital
Outputs**

The RM2432/EX2432 & RM2402 wireless receivers utilize reliable Spread Spectrum Mesh Network Radio technology. Together with other ACI wireless sensors and controls, the system can be used to transmit remote sensor readings, status/alarm indications and control signals wirelessly. It is compatible with any control systems or DDC panels that accept 0-10 VDC or 0-5 VDC inputs.

2. Features

- For wireless sensor and wireless control applications
 - Receives wireless sensor/relay information and outputs a corresponding signal to any DDC controller/panel
- Models:
- **RM2432D** – Network Coordinator or Network Monitor with up to 4 analog outputs (0-10 VDC or 0-5 VDC **field selectable**) and 4 digital outputs (relay contacts)
 - **RM2432/EX2432** – Network Coordinator or Network Monitor. Up to two I/O Expansion Modules (EX2432) can be used with the RM2432 Receiver. This will enable up to 12 analog outputs (0-10VDC or 0-5VDC) and up to 12 digital outputs (relay contacts)
 - **RM2402** – Network Coordinator or Network Monitor with up to 2 digital outputs (relay contacts)
 - **RD2432D** – End Device with up to 4 analog outputs (0-10 VDC or 0-5 VDC **field selectable**) and 4 digital outputs (relay contacts)
 - **RD2402** – End Device with up to 2 digital outputs (relay contacts)
 - Receives signals from up to 24 remote wireless sensor or control modules Real time sensor status indication – See Figure 1
 - Individual sensor low battery and lost sensor alarm indication – See Figure 1 Common alarm relay output for external indication.
 - Adjustable digital signal capture time (up to 4 hours) for applications such as temporary occupancy
 - Reliable Spread Spectrum Wireless Mesh Network technology



3. Configuration Software System Requirements

- PC (Notebook or desktop) with Windows 95, 98, XP, Vista or Windows 7
- Minimum one 9-pin serial port (or USB/Serial) that is not shared by another device.
- Minimum of 10 megabytes of hard drive memory is available.

4. Configuration Software Installation

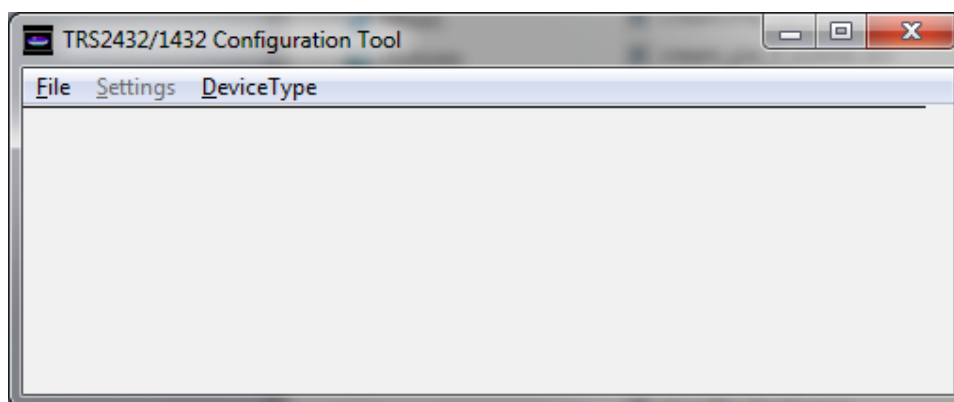
- The 2432 Programmer Configuration Software can be downloaded from the ACI website or it may be shipped with the RM2432D Receiver.
- If a software CD is available, insert the disks or CD ROM into the appropriate disk drive and follow the instructions to complete the installation.
- If the software is downloaded from the www.workaci.com website, unzip the files to a temporary folder. Open the temporary folder and run the setup.exe file. Follow the instructions to complete the installation.
- **A folder named "trs", located at the root directory "c:\", of the computer, is required for the software to operate properly. If the folder "trs" does not exist, create the folder at the "c:\" level before proceeding to section 5 below.**

5. Connecting the RM2432 or RM2402 receiver to a PC

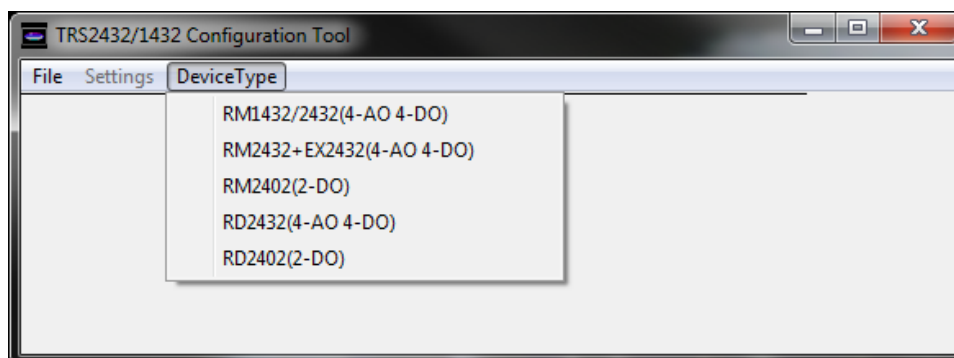
- A programming cable (PN: CK2432D) is required to connect from the PC serial port to the RM2432/RM2402 Receiver. The 2432 Programming Cable is a 4-ft cable with a 9-pin female connector on one end and a RJ11 type connector on the other end.
- Connect the 9-pin female connector of the programming cable (PN: CK2432D) to the COM (Serial) port of the PC. Ensure the 9-pin female connector is securely attached to the COM (serial) port of the PC by tightening the connection screws
- Connect the other end of the programming cable (RJ11 connector) to the RM2432 Circuit Board Connector (female RJ connector). See Figure 1 above for location.
- Connect 24VAC to the RM2432A Receiver power input terminals

6. Creating a RM2432 Configuration File

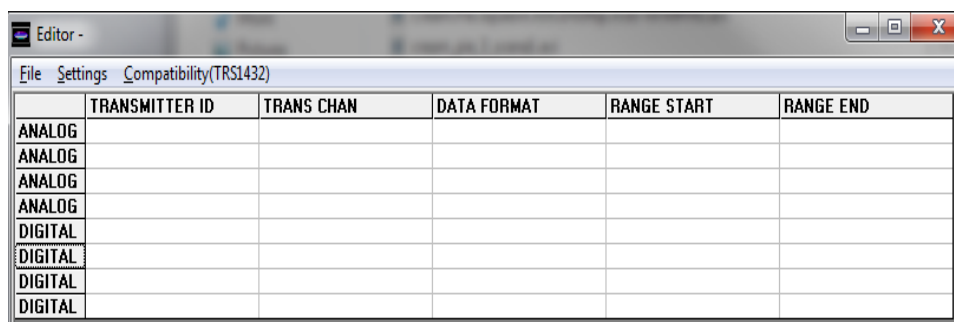
To create a new RM2432 configuration file open the 2432 Programmer by clicking on Start > Programs > 2432 Programmer.



Select RM1432/RM2432 from “DeviceType” tab.



To open a new configuration table, Click on File > New. A blank configuration table will open.



There are eight rows displayed as shown above (4 ANALOG & 4 DIGITAL). These rows represent the eight outputs of the RM2432 Receiver. Each of these outputs can be assigned to a sensor/transmitter. Up to 8 sensor/transmitters can be assigned to the receiver if needed. The first “Analog” row will represent analog output #1 on the RM2432. The 2nd “Analog” row will represent the output #2 on the RM2432 and so on.

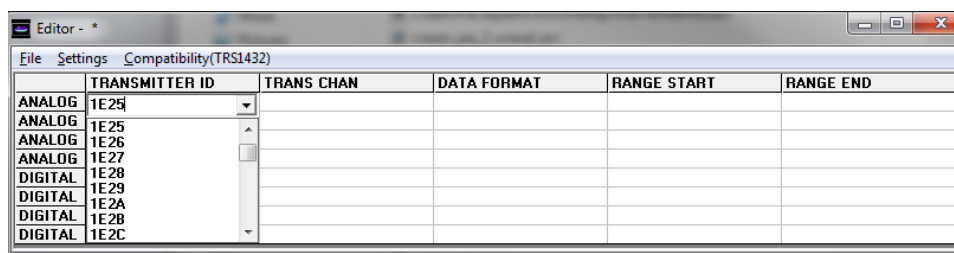
Each row of the configuration table is a unique data register having five special attributes.

TRANSMITTER ID	--	Assigns a wireless sensor/transmitter address to the RM2432 output. Each wireless sensor is factory configured with a unique hexadecimal address (TXID).
TRANS CHAN	--	Assigns a wireless sensor/transmitter data channel to the data register. A wireless sensor/transmitter may have up to four (4) analog channels and (4) digital status/alarm channels.
DATA FORMAT	--	Assigns the data type to the register – temperature (Thermistor 20K), humidity, analog or digital.
RANGE START	--	For Analog Output Only – Assign the low end of the analog range (0 volt output)
RANGE END	--	For Analog Output Only – Assign the high end of the analog range (5 or 10 volt output)

7. Transmitter ID

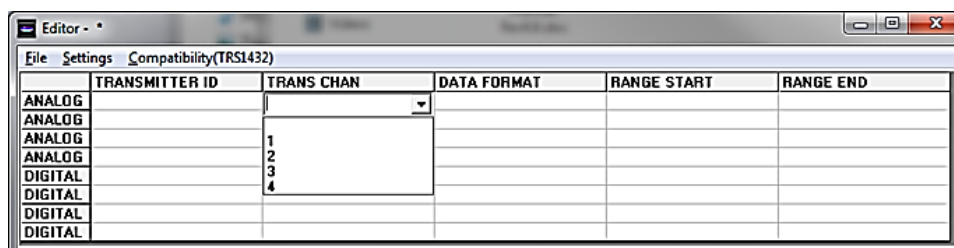
Assign a sensor/transmitter to the data register by clicking in the TRANSMITTER ID cell to open a drop-down menu. Use the scroll bar to scroll to the correct address or automatically scroll to the address by typing the hexadecimal address in the cell. To select the address click on the appropriate ID in the drop down menu or press the down arrow key. Each Trs Systems transmitter is factory configured with a unique ID – refer to the sensor product data sheet for the location of the transmitter ID (TXID).

Note: The TXIDs are entered as numerical value. For sensor ID “03BE”, it should be entered as “3BE”



8. Transmitter Channel

- Assign the appropriate sensor transmission channel to the analog or digital output register by clicking in the cell to open a drop-down menu. Click on the appropriate transmission channel (01 to 04) to select.



- Refer to Table 1 below for TRAN CHAN number for all the applicable ACI Sensors:

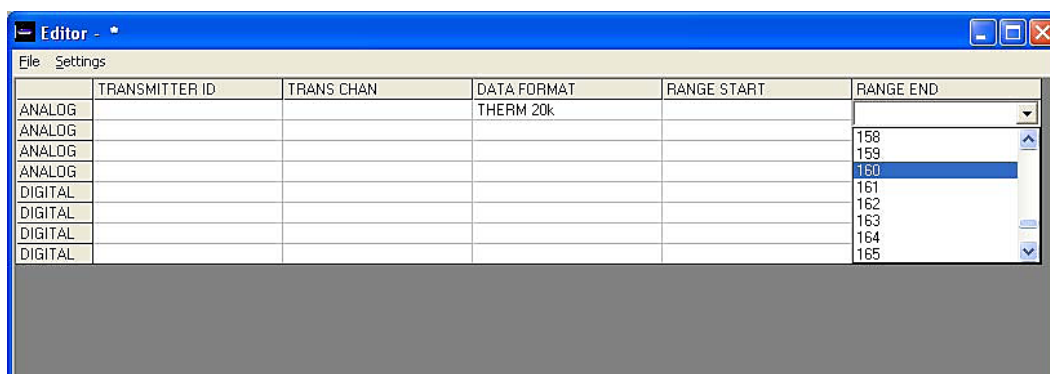
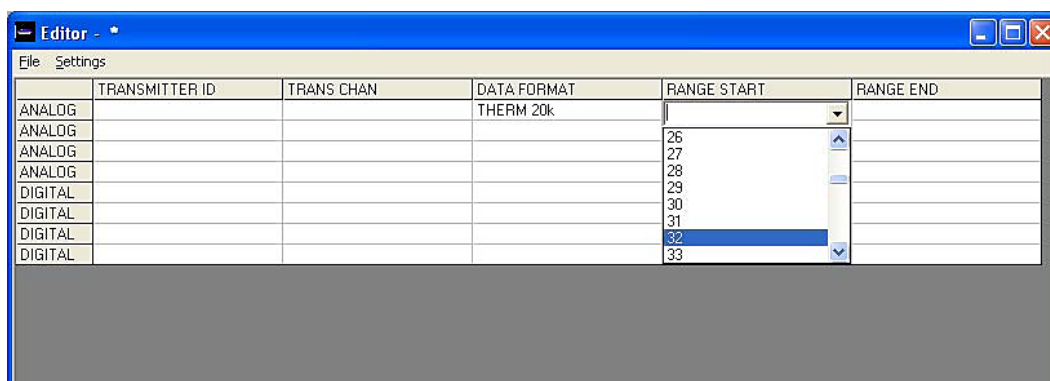
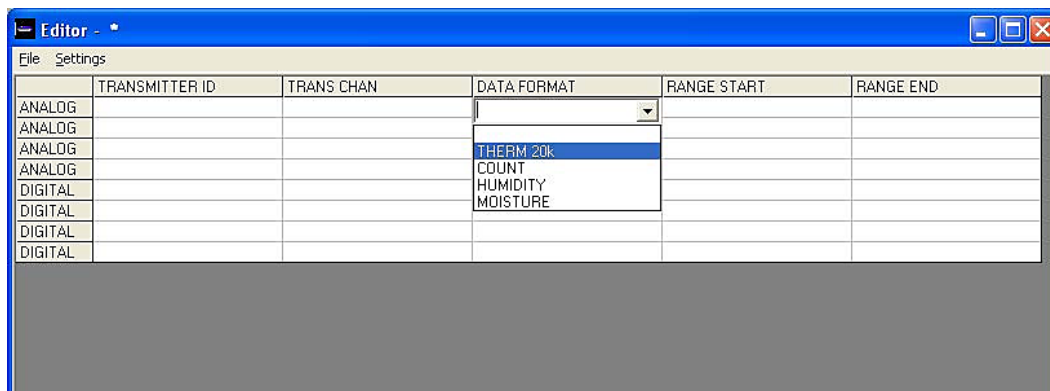
Device	Description & Data Type	Output type	Trans Chan	Data Format	Range Start	Range End
WT2630A	Wall Sensor Temp	Analog	1	Therm 20K	32	104
WT2630B	Wall Sensor Temp	Analog	1	Therm 20K	32	104
	Wall Sensor Setpoint	Analog	2	COUNT	0	4095
	Wall Sensor Push Button	Digital	1	Digital	NA	NA
WT2630C	Wall Sensor Temp	Analog	1	Therm 20K	32	104
	Wall Sensor Push Button	Digital	1	Digital	NA	NA
WH2630A	Wall Humidity Sensor	Analog	1	Humidity	0	100
WH2630B	Wall Sensor Temp	Analog	1	Therm 20K	32	104
	Wall Humidity Sensor	Analog	2	Humidity	0	100
OA2630A	Outdoor Temp	Analog	1	Therm 20K	-40	160
	Outdoor Humidity	Analog	2	Humidity	0	100
OST2630A	Outdoor Temp	Analog	1	Therm 20K	-40	160
DT2630A	Duct Temp	Analog	1	Therm 20K	-40	200

DT2650A	Average Duct Temp	Analog	1	Therm 20K	32	167
DH2630A	Duct Humidity	Analog	1	Humidity	0	100
DH2630B	Duct Temp	Analog	1	Therm 20K	-40	200
	Duct Humidity	Analog	2	Humidity	0	100
FT2630A	Immersion Temp	Analog	1	Therm 20K	-40	200
RT2630A	Analog Inputs 20K Thermistor	Analog	1 to 4	Therm 20K	-40	200
	Digital Inputs	Digital	1 to 4	Digital	NA	NA
RT2630B	Analog Inputs 0-10 VDC	Analog	1 to 4	Count	0	4095
	Digital Inputs	Digital	1 to 4	Digital	NA	NA
RT2630C	Analog Inputs 0-20 mA	Analog	1 to 4	Count	0	4095
	Digital Inputs	Digital	1 to 4	Digital	NA	NA
RT2602D	Digital Input Module	Digital	1 to 2	Digital	NA	NA
RT2620A	Digital Input Module	Digital	1 to 4	Digital	NA	NA
SST2630A	Remote/Strap-on Temp	Analog	1	Therm 20K	-40	200

Table 1

9. Data Format, Range Start & Range End

Select the appropriate DATA FORMAT, RANGE START & RANGE END values by clicking in the appropriate cells to open a drop-down menu.



Refer to table-1 above for information to assign the appropriate DATA FORMAT, RANGE START and RANGE END with different applicable ACI sensor.

10. Miscellaneous Settings

Set the **transmitter transmission timeout interval** (suggestion 30 min.) by clicking in the Transmitter Timeout cell to open a drop-down menu. Use the scroll bar to scroll down to the appropriate value (1 to 60 min.) or type the value in the cell to automatically scroll to the appropriate value. This will be used to generate an error message if the transmitter fails to transmit in the specified time interval.

The **Digital Input Capture Time** can be set to hold a momentary contact closure such as the override button on the WT2630B/C for a period of time (**Default is 0 min. for RM2432D**).

The Digital Capture Time can be set up to 240 minutes (4 hours) in applications where an extended period of time is needed such as “unoccupied period by-pass”.

Set the Digital Capture Time interval (seconds or minutes) by clicking on “Seconds” or “Minutes”. Click in the Digital Capture Time cell to open a drop-down menu. Use the scroll bar to scroll down to the appropriate value (0 to 240) or type the value in the cell to automatically scroll to the appropriate value. To select the timeout interval, click on the appropriate value in the drop-down menu.

Output State on Loss of Transmitter – This option will enable the user to select the default outputs of the receiver when the associated sensor/transmitter lost communication with the RM2432D receiver (after the Transmitter Timeout period)

‘Off’ - Analog output (associated with the lost sensor) = 0 VDC
Digital output (associated with the lost sensor) = contact open

‘Last’ - Analog output (associated with the lost sensor) = Last value before communication lost.
Digital output (associated with the lost sensor) = Last state before communication lost

Network ID – The Network ID applies to the new Series 2000 devices (RM2432/RM2402) only and is not applicable to the older RM1432D product.

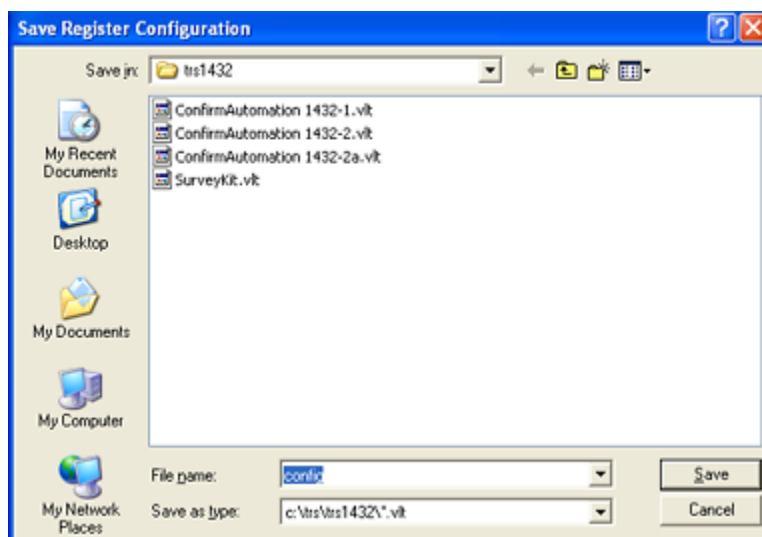
Assign the mesh network ID of the receiver. This network ID should be the same as any Repeater/Routers that are assigned to this Receiver (Network Coordinator).

Device Network State -

A typical mesh network application can be classified as “many-to-one” (many sensors or End Devices sending information to one Network Coordinator). For ‘one-to-many’ application (one sensor or transmitter is to send information to multiple RM2432/RM2402s), ***only one RM2432/RM2402 can be programmed as a Network Coordinator*** (check “Coordinate Network ID” box). All the other RM2432/RM2402 shall be set as Network Monitor devices (check “Monitor Network ID” box).

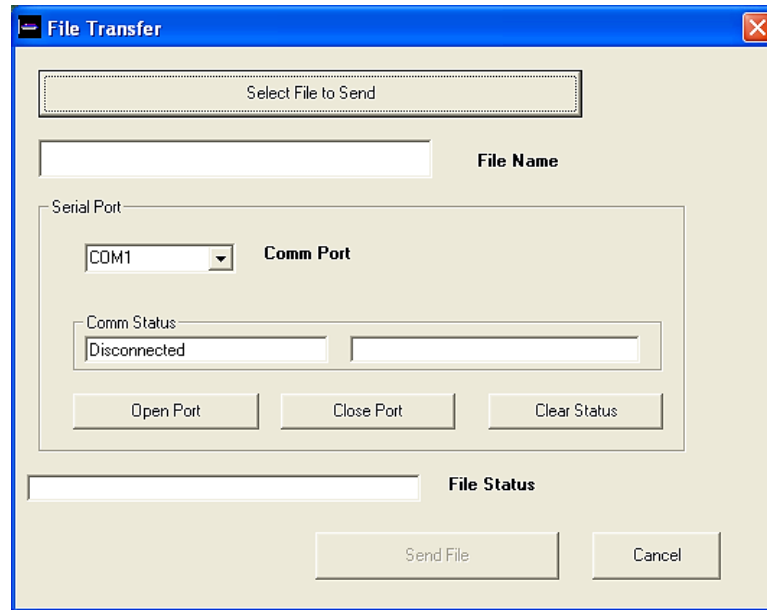
11. Saving and Downloading the Configuration File

To Save the configuration file click on File > Save. It is recommended that the .vlt file be saved in the Trs folder already setup. i.e. C:\trs\trs2432



Always save the configuration file before sending it to the RM2432 Receiver.

To send the new configuration file to the RM2432 Receiver click on File > File Transfer and a dialog box will appear.

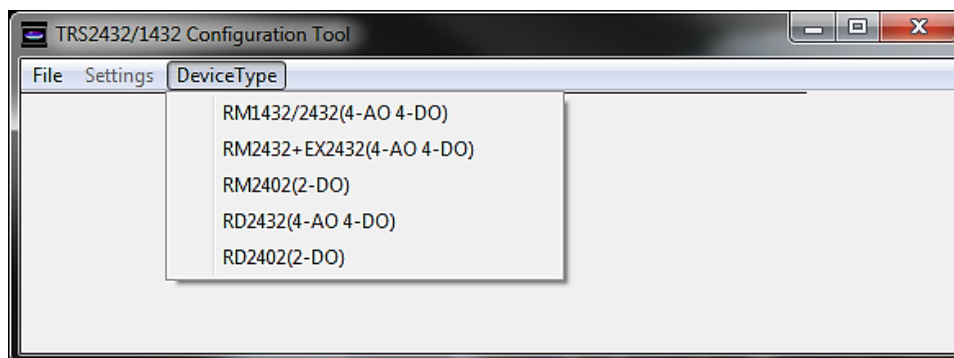


Click on “Select File” and a window will open. Move to the Trs directory and select the appropriate file (last saved) from the list.

Select the associated COM port (the com port to which the CK2432 programming cable is attached) on the drop-down menu, and click open port. The Comm Status window will display whether the COM port is ready for file transfer. When the COM port is ready click on “Send File” to send the configuration file to the Receiver.

12. Creating & Downloading a RM2432/EX2432 Configuration File

When the RM2432 is used with its I/O extension module, select the “RM2432/Ex2432” “DeviceType”.



To open a new configuration table Click on File > New . A blank configuration table will open.

 A screenshot of the 'Editor' window showing a blank configuration table. The table has the following columns: TRANSMITTER ID, TRANS CHAN, DATA FORMAT, RANGE START, and RANGE END. The rows are categorized into ANALOG MAIN, ANALOG EXT1, ANALOG EXT2, DIGITAL MAIN, DIGITAL EXT1, and DIGITAL EXT2.

	TRANSMITTER ID	TRANS CHAN	DATA FORMAT	RANGE START	RANGE END
ANALOG MAIN					
ANALOG MAIN					
ANALOG MAIN					
ANALOG MAIN					
DIGITAL MAIN					
DIGITAL MAIN					
DIGITAL MAIN					
DIGITAL MAIN					
ANALOG EXT1					
ANALOG EXT1					
ANALOG EXT1					
DIGITAL EXT1					
DIGITAL EXT1					
DIGITAL EXT1					
DIGITAL EXT1					
ANALOG EXT2					
ANALOG EXT2					
ANALOG EXT2					
ANALOG EXT2					
DIGITAL EXT2					
DIGITAL EXT2					
DIGITAL EXT2					
DIGITAL EXT2					

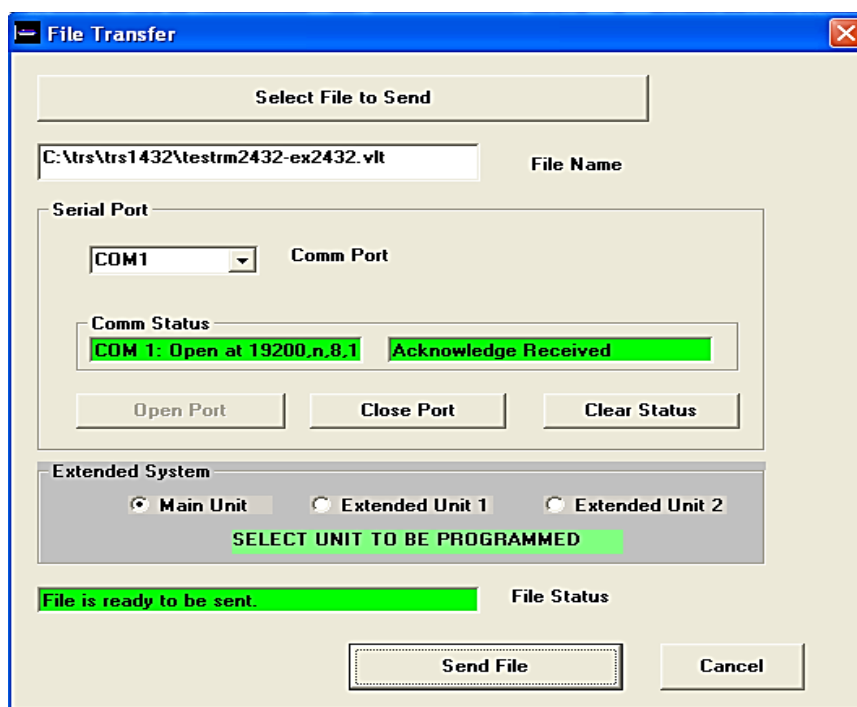
There are 24 rows displayed as shown above (12 ANALOG & 12 DIGITAL). These rows represent the 24 outputs of the RM2432 Receiver and the EX2432 I/O Extension Modules. Each of these outputs can be assigned to a sensor/transmitter. Up to 24 sensor/transmitters can be assigned to the receiver if needed. The first “Analog” row will represent analog output #1 on the RM2432. The 2nd “Analog” row will represent the Output #2 on the RM2432 and so on.

Enter all the analog/digital output register information and ‘Miscellaneous’ information where applicable. Refer to the previous sections for information and procedures.

If only one EX2432 module is used, leave the “EXT2” or extension module #2 inputs empty.

You must download the configuration file to all devices. Refer to the previous section, “Saving and Downloading the Configuration File”. After the correct file has been selected, you must select the unit to be programmed. In the “Extended System” box select “Main Unit”.

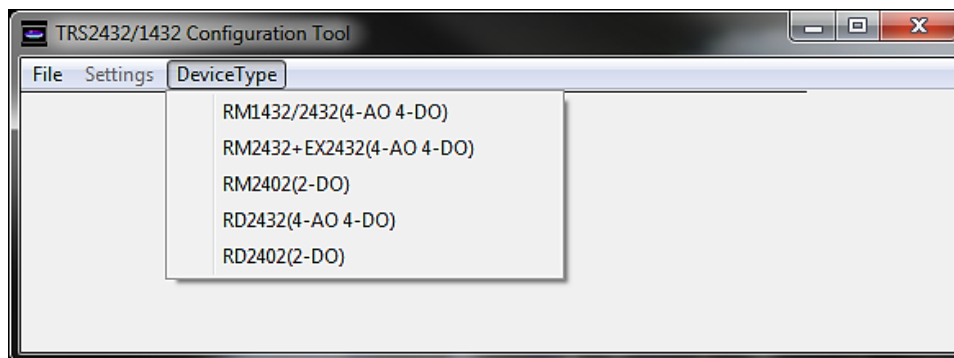
Select the COM port to which the CK2432D programming cable is attached to in the drop-down menu, then click “Open Port”. When the COM port is ready, click on “Send File” to send the configuration file to the receiver.



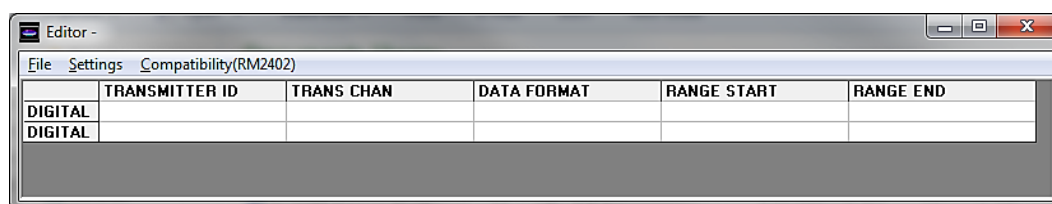
Click “Clear Status”, then “Close Port”. Remove the CK2432D from the RM2432 and connect it to EX2432D One. In the “Extended System” box select “Extended Unit 1”, then click “Open Port”. When the COM port is ready, click “Send File” to send the configuration file to Extended Unit One. If needed, repeat this section for the second EX2432D, make sure to connect the CK2432D to EX2432D Two, and in the “Extended System” box select “Extended Unit 2”.

13. Creating a RM2402 Configuration File

When the RM2432 is used with its I/O extension module, select the “RM2402” “DeviceType”.



To open a new configuration table Click on File > New . A blank configuration table will open.

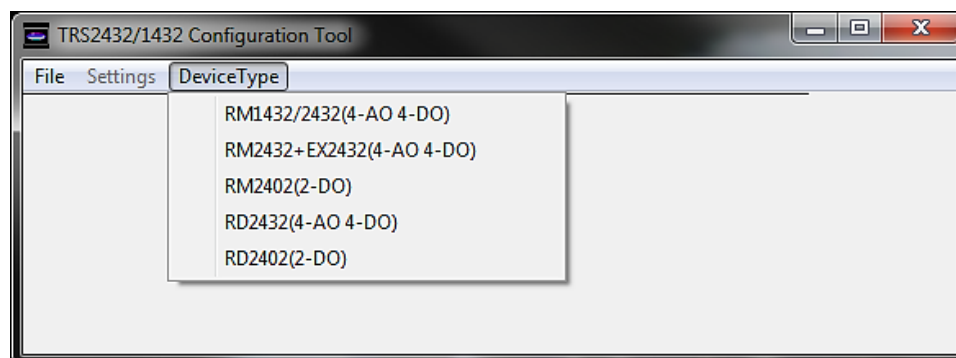


There are 2 rows displayed as shown above (2 DIGITAL). These rows represent the 2 outputs of the RM2402 Receiver. Each of these outputs can be assigned to a sensor/transmitter. Up to 2 sensor/transmitters can be assigned to this receiver if needed. The first “Digital” row will represent digital output #1 on the RM2402. The 2nd “Digital” row will represent the Output #2 on the RM2402.

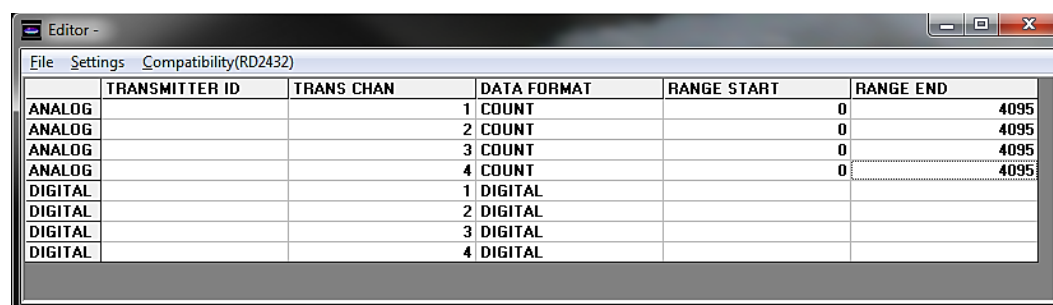
Enter all the digital output register information and ‘Miscellaneous’ information where applicable. Refer to the previous sections for information and procedures

14. Creating a RD2432 Configuration File

The RD2432 and RD2402 devices are normally configured in the factory and no field setup is required. When the TXID of the RD2432 is to be programmed in the field, select the “RD2432 (4-AO 4-DO)” “DeviceType”.



To open a new configuration table Click on File > New . A blank configuration table will open.



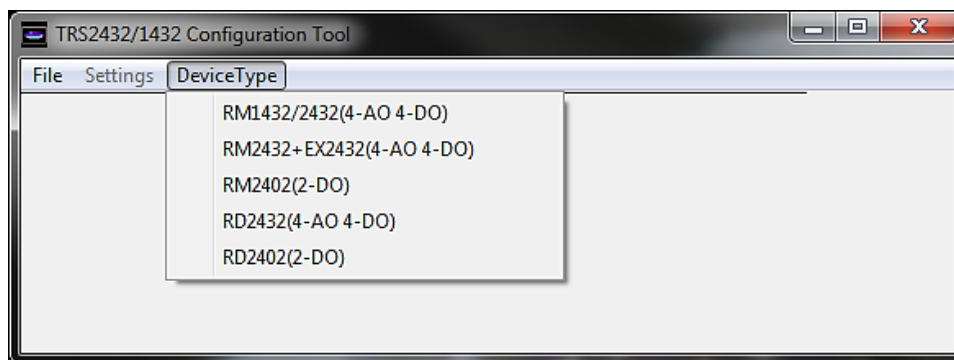
There are 8 rows displayed as shown above (4 ANALOG & 4 DIGITAL). These rows represent the 8 outputs of the RD2432 device. Each of these outputs can be commanded and controlled by a remote network transceiver (such as MOD9200 Bacnet, LonWorks or MODbus transceiver). The first “Analog” row will represent analog output #1 on the RD2432. The 2nd “Analog” row will represent the Output #2 on the RD2432 and so on.

Enter the TXID of the RD2432 device in the any “TRANSMITTER ID” field. The rest of the 7 “TRANSMITTER ID” fields will be automatically filled with the same TXID.

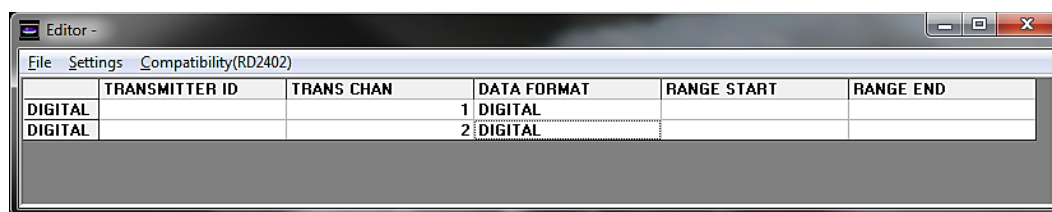
Enter all the ‘Miscellaneous’ information where applicable. Refer to the previous sections for information and procedures.

15. Creating a RD2402 Configuration File

The RD2432 and RD2402 devices are normally configured in the factory and no field setup is required. When the TXID of the RD2402 is to be programmed in the field, select the “RD2402 (2-DO)” “DeviceType”.



To open a new configuration table Click on File > New . A blank configuration table will open.



There are 2 rows displayed as shown above (2 DIGITAL). These rows represent the 2 outputs of the RD2402 device. Each of these outputs can be commanded and controlled by a remote network transceiver (such as MOD9200 Bacnet, LonWorks or MODbus transceiver).

Enter the TXID of the RD2402 device in the any “TRANSMITTER ID” field. The other “TRANSMITTER ID” fields will be automatically filled with the same TXID.

Enter all the ‘Miscellaneous’ information where applicable. Refer to the previous sections for information and procedures.

16. Activating the Configuration File

Once the configuration file has been sent to the Receiver it will become active immediately. After the RM2432/RM2402 receives all the sensor transmissions, the appropriate LEDs at the top of the receiver will be lit. Note: The time for the LEDs to come on depends on the transmit time setting of the sensor – typically 1 to 2 min.

©COPYRIGHT by Automation Components, Inc. All rights reserved. Automation Components, Inc., The ACI logo, WT2630A, WT2630B, WT2630C, RT2620A, RT2620B, RT2630A, RT2630B, RT2630C, RT2630D, RT1631A, RT1631B, DT2630A, DT2630B, FT2630A, FT2630B, WH2630A, WH2630B, DH2630A, DH2630B, DH2630C, OA2630A, OH2630A, OT2630A, RC2100 & MOD9000 are trademarks of Automation Components, Inc.

All other brand or product names are trademarks of their respective holders.

For more information, please contact:

Automation Components Inc.
2305 Pleasant View Rd.
Middleton, Wisconsin 53562
Telephone: 1-608-831-2585
Fax: 1-608-831-7407
Web: www.workaci.com