

RQA-1B/4B Owner's Manual

Wireless Call Button System

For use with the Ritron Quick Talk™ Wireless Voice Monitor & Alarm transmitter

For use with the following Ritron Quick Talk™ models:

RQT-151-RCVR RQT-151M-RCVR RQT-152-RCVR RQT-152M-RCVR RQT-451-RCVR RQT-452-RCVR

RQT-151-PS RQT-152M-PS RQT-151M-PS

RQT-152-PS RQT-452-PS



Call 800-USA-1-USA for the right Wireless Solutions to your communication needs.

Ritron, Inc.

P.O. Box 1998 • Carmel, Indiana 46082-1998 • USA Phone: 317-846-1201; 800-USA-1-USA (800-872-1872)

Fax: 317-846-4978 Email: ritron@ritron.com

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Compatible RQT Quick Talk™ Models

The RQA-1B/4B Wireless Call Button is designed to operate with the following Ritron RQT Quick Talk™ models. These Quick Talk™ transmitters have an RQT-433-RCVR receiver installed.

Keyfob Operation:

RQT-151-RCVR	RQT-151M-RCVR	RQT-152-RCVR
RQT-152M-RCVR	RQT-451-RCVR	RQT-452-RCVR

Point-of-Sale Operation:

RQT-151-PS	RQT-151M-PS	RQT-152-PS
RQT-152M-PS	RQT-451-PS	RQT-452-PS

Note: The RQT Quick Talk[™] must have firmware revision 32.11 or greater.

RQA-1B/4B FCC Part 15 Statement

This device complies with part 15 of the FCC Rules.

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 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. You can test to see if this equipment does cause harmful interference to radio or television reception by turning the equipment off and on.

Caution:

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

RQA-1B/4B FCC Part 15 Instructions

This device complies with Part 15 of the FCC Rules.

Operation of this device 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 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:

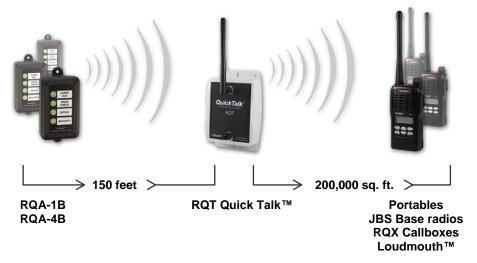
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been certified to comply with the limits for a Class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

General Information

The RQA-1B/4B is a 433.92 MHz low power, short range Wireless Call Button designed to be used with a Ritron RQT Quick Talk™ Voice Alert transmitter with an RQT-433-RCVR receiver installed. See the section Compatible RQT Quick Talk™ Models for a list of Ritron model radios capable of operation with the RQA-1B/4B.

When a button on the RQA-1B/4B is pressed the associated LED lights up and a unique code is transmitted. The Quick Talk™ receives the code and transmits an associated pre-recorded message. The RQA-1B/4B can activate 1 of 8 Quick Talk™ "Assistance" messages. Simply record your desired messages into the Quick Talk™ transmitter using the RQT PC Programmer and you are ready to go.



When you press and hold an RQA-1B/4B button for more than 5 seconds a "Call Cleared" code is transmitted to the Quick Talk™, which in turn transmits a pre-recorded "Call Cleared" message. The LED will blink when the button is held for more than 5 seconds, indicating that the "Call Cleared" code will be transmitted.

When operating with a Point-of-Sale model RQT, Each RQA-1B/4B can also be set to send 1 of 15 different "Location" codes to further identify the unit. Location messages are recorded into the Quick Talk™ the same as voice messages. The "Location" message will be played immediately before the "Assistance" message.

The RQA-1B/4B is powered by a single CR123A, 3 VDC, non-rechargeable battery. Depending on usage, the battery can operate the RQA-1B/4B for up to 3 years. The RQA-1B/4B is in a low power "sleep" mode when not in use and draws very little current.

There are two basic types of Quick Talk™ transmitters that can be used with the RQA-1B/4B.

RQT-xxx-RCVR Quick Talk™ models for Keyfob Operation

- Can be set for operation with the RQA-1B/4B on any one of the 4 inputs, allowing RQT input operation and Wireless Call Button operation on the same Quick Talk™ for maximum flexibility.
- Each of the 4 Quick Talk™ inputs can respond to two different preassigned codes, both with their own message and programming.
- If an input is set for "KEYFOB" operation it will no longer respond to switch closures or analog signals, the two input messages can only be activated by the RQA-1B/4B, or by the two Ritron RQT-KEYFOB models associated with that input.
- Codes are compatible with Ritron RQT-KEYFOB models to allow simultaneous operation.
- Each Quick Talk™ has a single "Location" message available.
- After the radio has been programmed and installed, Ritron model keyfobs and the RQA-1B/4B can be used to activate the Quick Talk™ transmitter and broadcast unique, user recorded voice messages.

RQT-xxx-PS Quick Talk™ models for Point-of-Sale Operation

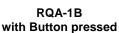
- Used exclusively with the RQA-1B/4B Wireless Call Button with up to 8 different "Assistance" messages and 15 unique "Location" messages for maximum capability.
- The Quick Talk™ will send a "Call Cleared" message whenever a call is terminated by the RQA-1B/4B.
- The Quick Talk[™] Point-of-Sale models are designed for Wireless Call Button operation with no provisions for normal Quick Talk[™] input operation.

Operating the RQA-1B/4B

When any of the buttons are pressed the RQA-1B/4B will send a code to the Quick Talk™, which in turn decodes the code and begins broadcasting an associated pre-recorded voice message.

The RQA-1B/4B will light the LED associated with the button pressed, and will remain lit while the RQA-1B/4B is transmitting. If a button is pressed and held for more than 5 seconds the LED will blink and a "Call Cleared" code will be transmitted.







RQA-4B with Button 1 pressed

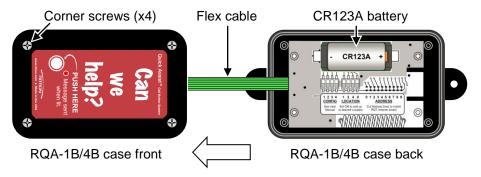
- 1. Press a button to initiate a message.
- 2. The LED for that button lights while the button is pressed, and remains lit while the RQA-1B/4B is transmitting.
- 3. A code is sent to the Quick Talk[™] when the button is released.
- The Quick Talk[™] receives the code and broadcasts the associated prerecorded message on a schedule programmed into the RQT Quick Talk[™].
- Press and hold a button for 5 seconds.
- 6. The LED begins to blink.
- 7. A "Call Cleared" code is sent to the Quick Talk™ when the button is released.
- RQT Quick Talk™ broadcasts a "Call Cleared" message and stops the broadcast schedule.

RQA-1B/4B Battery Replacement

The RQA-1B/4B utilizes a standard CR123A lithium cylindrical cell. Depending on usage, it can provide up to 3 years of operation.

Access for battery replacement is accomplished by:

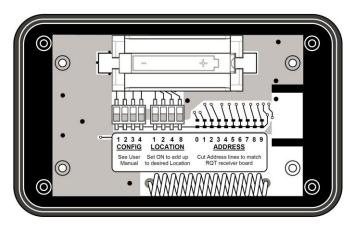
- 1. Removing the 4 corner screws on the front of the RQA-1B/4B
- Carefully separating the case halves.
- Move the case front toward the bottom of the RQA-1B/4B as shown.
 The case front and case back are connected with a flex cable. Do not place strain on the flex cable connecting the case front to the case back.
- 4. Replace the battery. Be careful to observe battery polarity.
- 5. Reposition the case halves and secure with the four corner screws.



There may be the risk of explosion if the battery is replaced by the wrong type. Replace it with the same type CR123A lithium cell battery by installing as shown. Although the battery holder is constructed to discourage incorrect installation, be careful to observe polarity.

Setting the RQA-1B/4B

- Separate the case front and back by removing the four corner screws and gently lift the case front. The case front and case back are connected with a flex cable. Do not place strain on the flex cable when separating the case.
- 2. Remove the battery.
- 3. Note the three programming options available, a 4-position CONFIG dip switch, a 4-position LOCATION dip switch, and a 10-position ADDRESS programming array.
- 4. Set the RQA-1B/4B per the following instructions.
- 5. Re-install the battery and verify operation with the RQT Quick Talk™. Be sure to observe battery polarity when re-installing.
- 6. Carefully re-install the case front.



RQA-1B/4B SETTINGS

Set the ADDRESS

For convenience, the RQT-433-RCVR receiver installed in the Quick Talk™ and all RQA-1B/4B Wireless Call Buttons come from the factory set to the same address. This establishes a relationship between the RQT-433-RCVR receiver and the RQA-1B/4B Wireless Call Buttons. For the vast majority of users the address does not need to be changed.

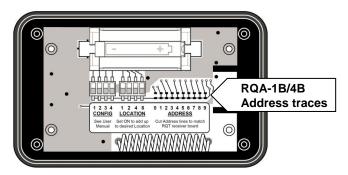
Occasionally the user may want to change the address to:

- Install two or more RQT Quick Talk™ with RQT-433-RCVR receivers in the same location.
- Avoid interference with another transmitter using the same address.
- Create a more secure "non-standard" address.

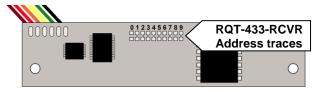
The RQT-433-RCVR receiver and RQA-1B/4B transmitters allow the selection of one of 1,024 unique addresses. To avoid contention with other units or to create unique relationships, the address can be changed. This is accomplished by cutting PCB traces with a sharp object, such as an X-Acto knife.

On the RQA-1B/4B Wireless Call Button the traces are accessed by removing the front cover. If the trace is intact, the address line is connected to ground, otherwise it is floating. The RQT-433-RCVR receiver address must match exactly in order for the units to communicate.

<u>IMPORTANT!</u> The RQA-1B/4B and the RQT-433-RCVR receiver installed in the RQT Quick Talk™ housing must be set to the same address.



RQA-1B/4B Address Programming



RQT-433-RCVR Address Programming

Set the CONFIG Switches for RQT-xxx-RCVR Keyfob Operation

RQT-xxx-RCVR models are required for Keyfob operation.

With Keyfob operation a Call Cleared message is independent of the normal Alert message, whereas Point-of-Sale operation appends the normal Alert message with a brief Call Cleared message. This creates limitations in the use of the RQT Quick Talk™ that Point-of-Sale operation does not have.

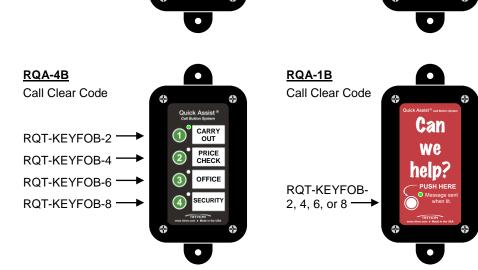
- If a Call Cleared message is not required, each RQA-1B/4B can be set to send RQT-KEYFOB codes 1 through 4, therefore requiring only 2 RQT Quick Talk™ inputs (Input1 for RQT-KEYFOB-1 and RQT-KEYFOB-2, Input 2 for RQT-KEYFOB-3 and RQT-KEYFOB-4).
- If a Call Cleared message is required, an RQT Quick Talk™ input is required for each RQA-4B button, with one message used as an Alert message and the other as a Call Cleared message.

IMPORTANT! For Call Cleared operation the RQT Quick Talk™ must be programmed for Press and Hold Reset using the PC programmer.

- Set <u>CONFIG</u> switches 1 and 2 per the following chart to set the RQA-1B Message code. The single button RQA-1B can be set to send any Message code per the following chart. These switches can be ignored on the RQA-4B.
- 2. Set <u>CONFIG switch 3</u> to the ON position if a Call Cleared message is required, otherwise set it to the OFF position.
- 3. Set CONFIG switch 4 to the ON position for Keyfob operation.

		RQA-1E	3 ONLY	RQA1B &	RQA-4B
Message Code	<u>Message</u>	<u>SW1</u>	<u>SW2</u>	<u>SW3</u>	<u>SW4</u>
RQT-KEYFOB-1	Alert	OFF	OFF	OFF	ON
RQT-KEYFOB-2	Alert	ON	OFF	OFF	ON
RQT-KEYFOB-3	Alert	OFF	ON	OFF	ON
RQT-KEYFOB-4	Alert	ON	ON	OFF	ON
RQT-KEYFOB-1	Alert	OFF	OFF	ON	ON
RQT-KEYFOB-2	Call Clear				
RQT-KEYFOB-3	Alert	ON	OFF	ON	ON
RQT-KEYFOB-4	Call Clear				
RQT-KEYFOB-5	Alert	OFF	ON	ON	ON
RQT-KEYFOB-6	Call Clear				
RQT-KEYFOB-7	Alert	ON	ON	ON	ON
RQT-KEYFOB-8	Call Clear				
CONFIG Switch Settings for Keyfob operation					



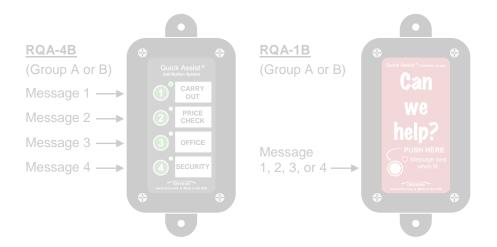


Set the CONFIG Switches for RQT-xxx-PS Point-of-Sale Operation

RQT-xxx-PS models are required for Point-of-Sale operation

- The single button RQA-1B can be set to send any 1 of 8 Alert Message codes.
 - Set <u>CONFIG</u> switches 1 and 2 per the following chart to set the RQA-1E Alert Message code. These switches can be ignored on the RQA-4B.
- Set <u>CONFIG switch 3</u> for Group A messages (OFF) or Group E messages (ON).
- 3. Set CONFIG switch 4 to the OFF position for Point-of-Sale operation.

	RQA-1	B ONLY	RQA1B &	RQA-4B
	SW1	SW2	SW3	SW4
Message 1, Group A				
Message 2, Group A	ON	OFF	OFF	OFF
Message 3, Group A				
Message 4, Group A	ON	ON	OFF	OFF
Message 1, Group B				
Message 2, Group B	ON	OFF	ON	OFF
Message 3, Group B				
Message 4, Group B	ON	ON	ON	OFF
CONFIG Switch Settings for Point-of-Sale operation				



Set the LOCATION switches for RQT-xxx-PS Point-of-Sale Operation

When set for Point-of-Sale Operation with the RQT-xxx-PS model Quick Talk $^{\text{TM}}$, the RQA-1B/4B can also be set to send 1 of 15 different "Location" codes to further identify the unit. Location messages are recorded into the Quick Talk $^{\text{TM}}$ the same as voice messages.

Set the LOCATION switch code for the RQA-1B/4B per the following chart:

	SW1	SW2	SW3	SW4
Location 1	ON	OFF	OFF	OFF
Location 3	ON	ON	OFF	OFF
Location 5	ON	OFF	ON	OFF
Location 7	ON	ON	ON	OFF
Location 9	ON	OFF	OFF	ON
Location 11	ON	ON	OFF	ON
Location 13	ON	OFF	ON	ON
Location 15	ON	ON	ON	ON

Basic Quick Talk™ Radio Operation

There are two basic types of Quick Talk™ transmitters that can be used with the RQA-1B/4B.

<u>Point-of-Sale Operation – RQT-xxx-PS models</u>

RQT-xxx-PS models are used exclusively with the RQA-1B/4B Wireless Call Button with up to 8 different "Alert" messages and 15 unique "Location" messages for maximum capability. PS models also send a "Call Cleared" message whenever a call is terminated by the RQA-1B/4B PS models have no provisions for RQT input operation.

Keyfob Operation – RQT-xxx-RCVR models

RQT-xxx-RCVR models can be set for operation with the RQA-1B/4B, allowing input operation and Wireless Call Button operation on the same Quick Talk™ for maximum flexibility. There is only a single "Location" message available, but the codes are compatible with Ritron RQT-KEYFOB models to allow simultaneous operation.

If an RQT-xxx-RCVR model Quick Talk™ input is set for "KEYFOB" operation it will no longer respond to switch closures or analog signals, the two input messages can only be activated by the RQA-1B/4B or the two keyfobs associated with that input. Refer to the Quick Talk™ Programming section of this manual for details of KEYFOB input programming and the programming options available.

After the radio has been programmed and installed, Ritron model keyfobs and the RQA-1B/4B can be used to activate the Quick Talk™ transmitter and broadcast unique, user recorded voice messages.

Quick Talk™ Radio Battery Life

In order for the RQT Quick Talk™ to reliably decode signals from the RQA-1B/4B transmitters, RQT radio models with the RQT-433-RCVR receiver installed have increased current requirements and do not operate in the low current "standby" mode. Therefore, battery life is severely reduced and it is recommended that the RQT Quick Talk™ be externally powered. Where battery life of a Quick Talk™ would normally be about 1 year, it drops to about 2 weeks with the RQT-433-RCVR installed.

Setting up an RQT Quick Talk™ RCVR Keyfob System

There are two basic benefits to using the RQA-1B/4B with an RQT-xxx-RCVR model RQT Quick Talk™:

- It allows RQT input operation of the Quick Talk™ on unused Inputs not assigned to RQA-1B/4B operation.
- It allows the RQA-1B/4B to work in conjunction with Ritron model Keyfobs.

The RCVR model RQT Quick Talk™ was developed for use with Ritron Keyfobs, so the RQA-4B is essentially operating as a mult-button keyfob and the RQA-1B as a single-button keyfob. It is important to recognize this as you set up the RCVR system.

RQT Quick Talk™ Programming for RCVR Models

Programming an RQT-xxx-RCVR model transmitter for KEYFOB operation requires Ritron PC Programmer RQT-PCPS or RQT-BASIC-PCPS revision 1.2.0 or higher.

On RQT-xxx-RCVR models, the Quick Talk[™] inputs can operate on 2 preassigned Ritron keyfobs, or on 2 pre-assigned RQA-1B/4B buttons per the following charts.

If the RQA-1B/4B is set for KEYFOB operation without Call Clear capability

Quick Talk™ Input	Keyfob Message	RQA-4B button
Input 1	RQT-KEYFOB-1 RQT-KEYFOB-2	RQA-4B Button 1, RQA-1B RQA-4B Button 2, RQA-1B
Input 2	RQT-KEYFOB-3 RQT-KEYFOB-4	RQA-4B Button 3, RQA-1B RQA-4B Button 4, RQA-1B
Input 3	RQT-KEYFOB-5 RQT-KEYFOB-6	
Input 4	RQT-KEYFOB-7 RQT-KEYFOB-8	

If the RQA-1B/4B is set for KEYFOB operation with Call Clear capability

Quick Talk™ Input	Keyfob Message	RQA-4B button
Input 1	RQT-KEYFOB-1 RQT-KEYFOB-2 code	RQA-4B Button 1, RQA-1B used for Call Clear
Input 2	RQT-KEYFOB-3 RQT-KEYFOB-4 code	RQA-4B Button 2, RQA-1B used for Call Clear
Input 3	RQT-KEYFOB-5 RQT-KEYFOB-6 code	RQA-4B Button 3, RQA-1B used for Call Clear
Input 4	RQT-KEYFOB-7 RQT-KEYFOB-8 code	RQA-4B Button 4, RQA-1B used for Call Clear

If the Quick Talk™ input is set for KEYFOB operation it no longer responds to switch closures or analog signals, the two input messages can only be activated by the RQA-1B/4B or the two keyfobs associated with that input.

Refer to the RQT Quick Talk™ User Manual and RQT Keyfob Receiver User Manual for complete programming instructions.

 Connect the RQT radio to your computer via the USB port and using the Ritron PC Programmer, read out the radio programming. If the model indicated is not on the following list, your radio is not equipped with the RQT-433-RCVR keyfob receiver and cannot be programmed for KEYFOB operation.

Ritron RCVR Models with RQT-433-RCVR installed:

RQT-151-RCVR	RQT-152-RCVR	RQT-151M-RCVR
RQT-152M-RCVR	RQT-451-RCVR	RQT-452-RCVR

- 2. Select the input(s) you would like to program for KEYFOB operation. The input(s) you select will depend on the specific Ritron keyfobs or RQA-1B/4B buttons you use.
- 3. From the left column of the Input programming screen, set the Input Type to Keyfob.
- 4. If Call Clear operation is required, select the Press and Hold Reset option.
- 5. Press the Record button and record a unique message for the Ritron keyfob / RQA-1B/4B button indicated. Repeat the process if a second keyfob / RQA-1B/4B button is to be used.

Programmable RQT Radio Attributes

Latch On - When Latch On is selected, the RQT will ignore decoded signals from the keyfob or RQA-1B/4B until after the transmission schedule has been completed. If not set, the RQT will transmit the recorded message every time it receives the correct code.

EXAMPLE:

RQT-KEYFOB-1 is scheduled for 2 transmissions, 30 seconds between transmissions. When RQT-KEYFOB-1 has been decoded the recorded message will be transmitted twice with 30 seconds in between, and any additional signals from RQT-KEYFOB-1 will be ignored until 30 seconds after the message is sent the 2nd time. Signals from other keyfobs will still be heard, only RQT-KEYFOB-1 will be ignored.

Input Operation - can be set for 1 of 3 different modes:

Normal operation considers the RQT-KEYFOB code as it is received. If Press and Hold Reset is selected the Input Operation is fixed in the Normal mode.

<u>Dwell</u> operation requires the keyfob code to be present continuously for a specified period of time before considering.

<u>Holdoff</u> operation considers the keyfob code as it is first received, but will ignore additional signals from the keyfob for the programmed holdoff time.

EXAMPLE:

RQT-KEYFOB-2 set for 1 min. holdoff. When the RQT-KEYFOB-2 code is received the recorded message will play. Any additional signals from RQT-KEYFOB-2 will be ignored until after 1 minute has elapsed.

Number of Message Transmissions specifies the number of times a recorded message will be transmitted after an RQT-KEYFOB code has been received.

Time between Transmissions specifies the length of time between scheduled transmissions. If it is set to "No Message", the recoded message will not play. If it is set to "On Changes Only", the recorded message will only play when the keyfob code is decoded.

Play Message on each Transmission specifies the number of times the recorded message will be repeated on each transmission.

EXAMPLE:

RQT-KEYFOB-1 is scheduled for 2 transmissions, 30 seconds between transmissions, 2 messages per transmission. When RQT-KEYFOB-1 has been decoded the recorded message will be transmitted twice, wait 30 seconds, then the message is transmitted twice again.

RITRON, INC. LIMITED WARRANTY.....

WHAT THIS WARRANTY COVERS:

RITRON, INC. ("RITRON") provides the following warranty against defects in materials and/or workmanship in RITRON Radios and Accessories under normal use and service during the applicable warranty period (as stated below). "Accessories" means antennas, holsters, chargers, earphones, speaker/microphones and items contained in the programming and programming/service kits.

WHAT IS COVERED FOR HOW LONG WHAT RITRON WILL DO

Ritron RQA-1B/4B 1 year* During the first year after date of

purchase, RITRON will repair or replace the defective product, at RITRON's option, parts and labor

included at no charge.

Accessories 90 days* *After date of purchase

WHAT THIS WARRANTY DOES NOT COVER:

- Any technical information provided with the covered product or any other RITRON products;
- Installation, maintenance or service of the product, unless this is covered by a separate written agreement with RITRON;
- Any products not furnished by RITRON which are attached or used with the
 covered product, or defects or damage from the use of the covered product with
 equipment that is not covered (such as defects or damage from the charging or
 use of batteries other than with covered product):
- Defects or damage, including broken antennas, resulting from:
 - misuse, abuse, improper maintenance, alteration, modification, neglect, accident or act of God.
 - the use of covered products other than in normal and customary manner or,
 - improper testing or installation;
- Defects or damages from unauthorized disassembly, repair or modification, or where unauthorized disassembly, repair or modification prevents inspection and testing necessary to validate warranty claims;
- Defects or damages in which the serial number has been removed, altered or defaced.
- · Batteries if any of the seals are not intact.

IMPORTANT: This warranty sets forth the full extent of RITRON's express responsibilities regarding the covered products, and is given in lieu of all other express warranties. What RITRON has agreed to do above is your sole and exclusive remedy. No person is authorized to make any other warranty to you on behalf of RITRON. Warranties implied by state law, such as implied warranties of merchantability and fitness for a particular purpose, are limited to the duration of this limited warranty as it applies to the covered product. Incidental and consequential damages are not recoverable under this warranty (this includes loss of use or time, inconvenience, business interruption, commercial loss, lost profits or savings). Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. Because each covered product system is unique, RITRON disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

WHO IS COVERED BY THIS WARRANTY: This warranty is given only to the purchaser or lessee of covered products when acquired for use, not resale. This warranty is not assignable or transferable.

HOW TO GET WARRANTY SERVICE: To receive warranty service, you must deliver or send the defective product, delivery costs and insurance prepaid, within the applicable warranty period, to RITRON, INC., 505 West Carmel Drive, Carmel, Indiana 46032, Attention: Warranty Department. Please point out the nature of the defect in as much detail as you can. You must retain your sales or lease receipt (or other written evidence of the date of purchase) and deliver it along with the product. If RITRON chooses to repair or replace a defective product, RITRON may replace the product or any part or component with reconditioned product, parts or components. Replacements are covered for the balance of the original applicable warranty period. All replaced covered products, parts or components become RITRON's property.

RIGHTS TO SOFTWARE RETAINED: Title and all rights or licenses to patents, copyrights, trademarks and trade secrets in any RITRON software contained in covered products are and shall remain in RITRON. RITRON nevertheless grants you a limited non-exclusive, transferable right to use the RITRON software only in conjunction with covered products. No other license or right to the RITRON software is granted or permitted.

<u>YOUR RIGHTS UNDER STATE LAW:</u> This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WHERE THIS WARRANTY IS VALID: THIS WARRANTY IS VALID ONLY WITHIN THE UNITED STATES, THE DISTRICT OF COLUMBIA AND PUERTO RICO.