Control Relay Contacts Remotely

The **RC-2A** Remote Controller provides remote relay operation from any standard Touch Tone telephone.

The controller is designed to be installed either locally or remotely. For local installations the **RC-2A** can be installed in parallel on any analog communications path, such as analog C.O. lines or analog PABX/KSU stations and will passively monitor for Touch Tone commands.

For off-premise applications, the **RC-2A** will answer analog C.O. lines or PABX/KSU stations after a selectable ring delay. A field programmable access code can be programmed to prevent unauthorized usage, and then the **RC-2A** can be activated to allow remote relay operation.

**Note:** For doorstrike control with Viking **W-Series Doorboxes**, see Viking model **SRC-1** (DOD#175) or **C-1000B** (DOD# 168).

### Features
- Programmable access code
- Normally open or normally closed relay
- Selectable relay closure times
- Selectable ring delay (1, 2, 6, or 15)
- Universal 12-24V AC/DC power input
- Easy installation with screw terminals and dip switch programming
- Automatic disconnect or return to secure mode after 60 seconds
- Power multiple units from one adapter
- Two year warranty

www.vikingelectronics.com  
Information: (715) 386-8861

### Applications

**Remote Control of:**
- High security building entry
- Heating/cooling equipment
- Pumps and fans
- Security systems
- Gates
- Lighting
- PABX/KSU reset

### Specifications

**Power:** 120VAC / 12VDC 500mA UL listed adapter provided, alternative power input: 12-24V AC/DC 200mA minimum  
**Dimensions:** 5.25” x 3.5” x 1.75” (133mm x 89mm x 44mm)  
**Shipping Weight:** 2 lbs (.9 kg)  
**Environmental:** -40°F to 160°F (-40°C to 70°C) with 5% to 95% non-condensing humidity  
**Moisture Condensing on the board will void the warranty**  
**Relay Contact Ratings:** 5A @ 30VDC/ 250VAC  
**Connections:** (1) 8 position screw terminal block
**Installation**

**IMPORTANT:** Electronic devices are susceptible to lightning and power station electrical surges from both the AC outlet and the telephone line. It is recommended that a surge protector be installed to protect against such surges.

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**Notes:** The 12V DC adapter (model PS-2) supplied with the unit can power up to (4) RC-2A’s and a Viking model PS-1A, 13.8V AC adapter, can be used to power up to (8) RC-2A’s. A PS-1A (13.8V AC adapter) may be purchased separately. Go to www.vikingelectronics.com and click on “Spare Parts”.

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**Modes**

**IMPORTANT:** Please read the following sections to determine which RC-2A mode works best for your application.

**A. Choosing a Mode**

The RC-2A has two operational modes built in, called the Legacy and Alternative modes. The Legacy mode is the standard mode of operation that has existed in all previous versions of the RC-2A. The Alternative mode is a second mode of operation that increases the RC-2A’s flexibility in some applications. The operational mode you should use depends on the exact application for the RC-2A. Here are some general guidelines, but in some applications, the opposite mode may be needed (also see section B-C on page 3 describing the advantages and disadvantages of each operational mode):

<table>
<thead>
<tr>
<th>Application Description</th>
<th>Recommended Mode</th>
<th>Additional Programming</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Use with a Viking W-1000, W-2000A, or W-3000 handsfree doorbox.</td>
<td>Legacy Mode (traditional software)</td>
<td>Set one code switch to D and set DIP switch 5 to OFF.</td>
</tr>
<tr>
<td>Use with a Viking E-30 or 1600A Series hands-free phone.</td>
<td>Alternative Mode (new software)</td>
<td>Set at least one code switch to B, set DIP switch 5 to ON and DIP switch 7 to OFF.</td>
</tr>
<tr>
<td>On a dedicated telephone line or PBX extension (no other phones on the same line or extension).</td>
<td>Legacy Mode (traditional software)</td>
<td>Set one code switch to C, set DIP switch 2 to ON and DIP switch 5 to OFF.</td>
</tr>
<tr>
<td>Wired across a telephone line in a residential application (sharing the line with other phones), to control lights, door or gate.</td>
<td>Legacy Mode (traditional software)</td>
<td>Set DIP switch 5 to OFF and do not set any code switches to C or D.</td>
</tr>
</tbody>
</table>

* Caution: For increased security, Viking recommends using a Viking model SRC-1 or C-1000B Controller with W-Series Doorboxes.
If you will be connecting the **RC-2A** to a telephone line or PABX extension (regardless of the mode you will be using), the **RC-2A** is always monitoring the telephone line or PBX extension for the correct string of Touch Tones dialed. If the correct string is detected, the **RC-2A** will operate the relay. For example, if you chose the Alternative mode, programmed a single digit relay command of "9" and installed the **RC-2A** onto a telephone line or PABX extension that is shared with other telephones, there could be a problem. As the other phones are making outgoing phone calls, if they dial a phone number that includes the digit "9", the **RC-2A** will operate it's relay. In these applications, you must either use the Legacy mode and set a security access code (no rotary entry code switches set to D), or use the Alternative mode and set at least one digit of the relay activation command to be either a "#" or "*".

### B. Legacy Mode

1. **Advantages**
   - a. There are "latch" and "unlatch" relay commands (10 and 19).
   - b. There is a Touch Tone hang up command (8 or 18).
   - c. A wider range of ring delay selections for remote access (1, 2, 6, or 15 rings).

2. **Disadvantages**
   - a. When a security access code has been programmed (no code switches set to D), the complete digit string to operate the relay is relatively long (6 digits total).
   - b. The relay activation commands are fixed in software (not programmable).
   - c. Limited "timed" relay activations available (5 seconds is the longest available).

### C. Alternative Mode

1. **Advantages**
   - a. Shorter length relay activation commands (can be 1, 2, or 3 digits in length).
   - b. Wider range of timed relay activations available (up to 10 minutes maximum).
   - c. You can program the digits dialed to activate the relay.

2. **Disadvantages**
   - a. There are no "latch/unlatch" relay commands.
   - b. There is no Touch Tone hang up command.
   - c. Fewer ring delay selections for remote access (2 or 15 rings only).

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**Legacy Programming Mode**

**Important:** The **RC-2A** ships by default in the Legacy Programming mode (DIP switch 5 OFF). Optional programming is also available (see **Alternative Programming Mode**). The alternative programming mode dramatically changes the programming and operation of the **RC-2A**. Use only the programming features described in the respective sections for the programming mode you choose.

### A. Security Access Code

**Note:** A security access code should be used, when the **RC-2A** is used on a line with other equipment that may dial.

1. **Setting the Security Access Code**
   The **RC-2A** contains (3) rotary access/entry code switches (see diagram right). Using a small flat blade screwdriver, rotate the arrow on each switch to the desired access code setting. The code may be any digit 0-9 or "C" (# on a Touch Tone pad). **Note:** For extreme security applications, a special telephone with a 4 x 4 keypad may be used (**DOD# 855**).

2. **Disabling the Security Access Code**
   If any rotary entry code switch is set to position "D" the security access code is disabled. In this case, any call to the **RC-2A** will have immediate access to activation codes (see page 5, **C. Relay Activation Codes**). **Note:** When the security access code is disabled, the setting of DIP switch 3 has no effect (unlimited closures allowed).
B. DIP Switch Settings

DIP switches 1-7 may be used to change the operation of the RC-2A (see below).

<table>
<thead>
<tr>
<th>Switch</th>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OFF</td>
<td>Latch commands (10 &amp; 19) enabled (factory default)</td>
</tr>
<tr>
<td>1</td>
<td>ON</td>
<td>Latch commands are disabled</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>Ring delay = 15 (no rotary switches set to C, factory default)</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>Ring delay = 2 (any rotary switch set to C)</td>
</tr>
<tr>
<td>2</td>
<td>ON</td>
<td>Ring delay = 6 (no rotary switches set to C)</td>
</tr>
<tr>
<td>2</td>
<td>ON</td>
<td>Ring delay = 1 (any rotary switch set to C)</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>Unlimited number of closures during access time (factory default)</td>
</tr>
<tr>
<td>3</td>
<td>ON</td>
<td>One closure per correct access code during access time (no rotary switches set to D)</td>
</tr>
<tr>
<td>4</td>
<td>OFF</td>
<td>(Not used in Legacy Programming Mode)</td>
</tr>
<tr>
<td>4</td>
<td>ON</td>
<td>(Not used in Legacy Programming Mode)</td>
</tr>
<tr>
<td>5</td>
<td>OFF</td>
<td>Legacy Programming Mode (factory default)</td>
</tr>
<tr>
<td>5</td>
<td>ON</td>
<td>Alternative Programming Mode</td>
</tr>
<tr>
<td>6</td>
<td>OFF</td>
<td>Acknowledgement tones OFF</td>
</tr>
<tr>
<td>6</td>
<td>ON</td>
<td>Acknowledgement tones ON (factory default)</td>
</tr>
<tr>
<td>7</td>
<td>OFF</td>
<td>Auto-answer OFF (factory default)</td>
</tr>
<tr>
<td>7</td>
<td>ON</td>
<td>Auto-answer ON</td>
</tr>
</tbody>
</table>

**Switch 1: Latch Commands**

If this DIP switch is in the **ON** position, the relay will not be able to be latched (maintained) and command codes 10, 19 and 1# will be ignored.

**Switch 2: Ring Delay**

The ring delay is the number of incoming rings before the RC-2A automatically answers the line. The RC-2A answers on the fifteenth ring by default. This can be changed to the first, second or sixth ring by following the instructions above for DIP switch 2 and rotary switch positions.

**Switch 3: Closure Limitations**

If this DIP switch is placed in the **ON** position, only one closure will be allowed during the access.

**Switch 4: Relay Activation Times**

This DIP switch is only used in the “Alternative Programming Mode” and has no function in the “Legacy Mode”.

**Switch 5: Selecting Modes**

If this DIP switch is in the **OFF** position, the RC-2A is in the “Legacy Programming Mode”. In the **ON** position, the RC-2A is in the “Alternative Programming Mode”.

**Switch 6: Relay Acknowledgement Tones**

With DIP switch 6 in the **OFF** position, acknowledgement tones (beeps for relay confirmation, etc.) are turned off. With DIP switch 6 in the **ON** position, acknowledgement tones are on.

**Switch 7: Automatic Answer**

With DIP switch 7 in the **OFF** position, the automatic phone line answering feature is turned off. With DIP switch 7 in the **ON** position, the automatic phone line answering feature is turned on. See DIP switch 2 and rotary switch positions for ring delay (total number of incoming rings before the unit automatically answers the line).
C. Relay Activation Codes

These activation codes are pre-programmed and cannot be changed except when using the Alternative Programming mode.

### C. Relay Activation Codes

#### Touch Tone/s

<table>
<thead>
<tr>
<th>Touch Tone/s</th>
<th>Enter</th>
</tr>
</thead>
<tbody>
<tr>
<td>To energize relay (two beeps)</td>
<td>10</td>
</tr>
<tr>
<td>To de-energize relay (one beep)</td>
<td>19</td>
</tr>
<tr>
<td>To energize relay momentarily (.5 seconds) (one beep)</td>
<td>13</td>
</tr>
<tr>
<td>To energize relay while 4 is pressed and for 1 second after (one beep)</td>
<td>14</td>
</tr>
<tr>
<td>To energize relay as long as 5 is pressed (.5 seconds minimum) (one beep)</td>
<td>15</td>
</tr>
<tr>
<td>To energize relay while 6 is pressed, and 5 seconds after (one beep)</td>
<td>16</td>
</tr>
<tr>
<td>To interrogate the relay status (two beeps - energized, one beep - de-energized)</td>
<td>1#</td>
</tr>
<tr>
<td>To release the phone line / return to secure mode (three beeps)</td>
<td>18 or 8</td>
</tr>
</tbody>
</table>

### Alternative Programming Mode

**Important:** In the “Alternative Programming Mode” (DIP switch 5 ON), programming and operation are changed dramatically. Please use the following programming sections only when programming in the “Alternative Programming Mode”. All “Legacy” Programming and Operation become un-useable and you may ONLY program and operate the RC-2A using the information provided in the following sections.

#### A. Security

In the “Alternative Programming Mode” (DIP switch 5 ON), access to the RC-2A is immediate and it becomes possible to program a one, two or three digit relay activation code. No security access code is programmable or required to gain access.

#### B. Entry Code Switches

The entry code switches set the relay activation code. In addition to the rotary switch positions shown in the chart, this code can also make use of positions D and E, as long as the user is aware that D and E can only be entered using a special 4x4 keypad. **Note:** For more information on using the RC-2A with a special 4x4 keypad, retrieve DOD# 855.

<table>
<thead>
<tr>
<th>Rotary Switch</th>
<th>Touch Tone</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Ignore</td>
</tr>
<tr>
<td>C</td>
<td>#</td>
</tr>
<tr>
<td>B</td>
<td>*</td>
</tr>
<tr>
<td>0...9</td>
<td>0...9</td>
</tr>
</tbody>
</table>

#### 1. Single Digit Relay Activation Code

To program a single digit relay activation code, set any two of the three code switches to F. **Example:** FF3 (shown right).

#### 2. Two-Digit Relay Activation Code

To program a two-digit relay activation code, set any one of the code switches to F. The other two switch settings comprise the relay activation code. **Example:** F47 (shown right).

#### 3. Special Character Relay Activation Code

To program the relay activation code to be * or #, set all three code switches to F (shown right). In this case, either a * or # will activate the relay.

#### 4. Ring Delay

The ring delay is the number of incoming rings before the RC-2A automatically answers the line. To program the ring delay to 2 instead of the normal 15, set at least one of the code switches to B or C (shown right). **Example:** FFB = “*” as the activation code and 2 as the ring delay.
Operation

If the RC-2A is programmed to answer a ringing line (DIP switch 7 ON), it will answer after the selected ring delay. A single acknowledgement tone will be heard, signaling the user that the RC-2A has answered the line. If a security access code has been programmed (no code switches set to D), a touch-tone “Q” plus the security access code may be entered at this time and a second acknowledgement tone will be heard. After this acknowledgement tone, the built-in 2 digit relay commands can be dialed (see page 5, C. Relay Activation Codes). If “Q” plus an incorrect security access code is entered, the RC-2A will immediately disconnect (hang-up). To prevent unauthorized use, if a user dials “Q” plus an incorrect security access code on 5 consecutive incoming calls, the unit will disconnect and not answer the line for 60 minutes.

If the RC-2A is not programmed to answer the line (DIP switch 7 OFF), it can passively monitor a communication path for the proper access and/or activation code.

The RC-2A provides a relay activation (opening or closing a relay contact) remotely via DTMF Touch Tone input over a standard analog C.O. line or PABX/KSU station. When the correct relay activation code is entered, the RC-2A activates its relay contacts on the terminal strip followed by an acknowledgement tone.

A. Legacy Mode

If the RC-2A is programmed to answer a ringing line (DIP switch 7 ON), it will answer after the selected ring delay. A single acknowledgement tone will be heard, signaling the user that the RC-2A has answered the line. If a security access code has been programmed (no code switches set to D), a touch-tone “*” plus the security access code may be entered at this time and a second acknowledgement tone will be heard. After this acknowledgement tone, the built-in 2 digit relay commands can be dialed (see page 5, C. Relay Activation Codes). If “*” plus an incorrect security access code is entered, the RC-2A will immediately disconnect (hang-up). To prevent unauthorized use, if a user dials “*” plus an incorrect security access code on 5 consecutive incoming calls, the unit will disconnect and not answer the line for 60 minutes.

If the RC-2A is not programmed to answer the line (DIP switch 7 OFF), it can passively monitor a communication path for the proper access and/or activation code.

The RC-2A provides a relay activation (opening or closing a relay contact) remotely via DTMF Touch Tone input over a standard analog C.O. line or PABX/KSU station. When the correct relay activation code is entered, the RC-2A activates its relay contacts on the terminal strip followed by an acknowledgement tone.

1. Accessing the RC-2A Remotely

Step 1. Set DIP switch 7 to ON and call the RC-2A using a Touch Tone phone.

Step 2. When the RC-2A answers, a single beep (acknowledgement tone) will be heard.

Step 3. If the security access code has been disabled (one or more code switches set to D), go to step 4. If a security access code has been set (no code switches set to D), enter “*” followed by your 3 digit security access code (see page 3, A. Security Access Code).

Step 4. Enter a two digit relay activation code (see page 5, C. Relay Activation Codes). A single or double beep (acknowledgement tone) should be heard.

Step 5. Enter “8” or “18” before hanging up to force the RC-2A to release the line. Alternatively, the unit will disconnect if no Touch Tones are detected for 60 seconds.

Step 6. Set DIP switch 7 to the desired position.
If the RC-2A is programmed to answer a ringing line (DIP switch 7 ON), it will do so after the selected ring delay. A single or double acknowledgement tone will be heard, signaling the user that the RC-2A has answered the line. After this acknowledgement tone, the one, two or three digit relay activation code can be dialed and a second acknowledgement tone will be heard. The relay activation code is programmed by the setting of the code switches (see page 5, B. Entry Code Switches). If the RC-2A is not programmed to answer the line (DIP switch 7 OFF), it can passively monitor a communication path for the proper activation code.

The RC-2A provides a relay activation (opening or closing a relay contact) remotely via DTMF Touch Tone input over a standard analog C.O. line or PBX/KSU station. When the correct relay activation code is entered, the RC-2A provides a single beep as an acknowledgement tone and activates its relay contacts on the terminal strip.

Only "timed" relay activation is possible in the Alternative mode. When the relay activation code is dialed, the timing of the relay contacts depends on the setting of DIP switches 1-4 (see page 6, C. DIP Switch Settings). If the RC-2A is accessed remotely and there is a relay activation already in progress, the RC-2A indicates this by producing two beeps instead of a single beep when it answers. At this point, the user may allow the existing relay activation to continue or start the relay activation over again by entering the relay activation code.

### 2. Accessing the RC-2A Remotely

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Set DIP switch 7 to ON and call the RC-2A using a Touch Tone phone.</td>
</tr>
<tr>
<td>2.</td>
<td>When the RC-2A answers, a single or double beep (acknowledgement tone) will be heard.</td>
</tr>
<tr>
<td>3.</td>
<td>Enter the one, two or three digit relay activation code (see page 5, B. Entry Code Switches). A single beep (acknowledgement tone) should be heard.</td>
</tr>
<tr>
<td>4.</td>
<td>The unit will disconnect when no Touch Tones are detected for 60 seconds.</td>
</tr>
<tr>
<td>5.</td>
<td>Set DIP switch 7 to the desired position.</td>
</tr>
</tbody>
</table>

### 2. Accessing the RC-2A Locally

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Establish voice connection with the RC-2A by accessing the doorbox or dedicated line.</td>
</tr>
<tr>
<td>2.</td>
<td>Enter the one, two or three digit relay activation code (see page 5, B. Entry Code Switches). A single beep (acknowledgement tone) should be heard.</td>
</tr>
</tbody>
</table>

## Related Products

### Securely Operate a Doorstrike and Provide Keyless Entry

The SRC-1 enables a standard touch tone phone to securely operate a set of timed relay contacts to control a doorstrike or gate controller at a remote location. The SRC-1 is fully user programmable and uses non-volatile memory. The SRC-1 eliminates the possibility of dialing the activation code through the entry phone using a hand held touch tone dialer.

The SRC-1 features a switchable 32V talk battery to allow use with any of Viking’s entry phones (E Series), doorboxes (W Series) or hot-line/panel phones (K Series).

The SRC-1 is installed between the entry phone and the secure phone, and will reject touch tones from the entry phone and only operate the relay if the correct activation code (user programmable) is given from the secure phone.

The SRC-1 also provides up to 32 keyless entry codes to operate the relay from the entry phone with 1 to 6 digits. This feature can be disabled in programming for increased security.
RETURNING PRODUCT FOR REPAIR

The following procedure is for equipment that needs repair:

1. Customer must contact Viking’s Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.

2. Packaging: Return equipment in original box or in proper packing so that damage will not occur while in transit. The original product boxes are not designed for shipping - an overpack box is required to prevent damage in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to: 

   VIKING ELECTRONICS
   1531 INDUSTRIAL STREET
   HUDSON, WI 54016

3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a P.O. Box.

4. RA number on carton: In large printing, write the RA number on the outside of each carton being returned.

RETURNING PRODUCT FOR EXCHANGE

The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):

1. Customer must contact Viking’s Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.

2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer’s input and troubleshooting, a Return Authorization (RA) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.

3. After obtaining the RA number, return the approved equipment to your distributor. Please reference the RA number on the paperwork being shipped back with the unit(s), and also outside the shipping box. The original product boxes are not designed for shipping - an overpack box is required to prevent damage in transit. Once your distributor receives the package, they will replace the product over the course of normal business days. The distributor will then return the product to Viking using the same RA number.

4. The distributor will NOT exchange this product without first obtaining the RA number from you. If you haven’t followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.

TWO YEAR LIMITED WARRANTY

Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of two years from the date of purchase from any authorized Viking distributor. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI 54016. Customer must contact Viking’s Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number.

This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others. This warranty does not cover non-EWP products that have been exposed to wet or corrosive environments.

This warranty does not cover stainless steel surfaces that have not been properly maintained.

NO OTHER WARRANTIES. VIKING MAKES NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE RELATING TO ITS PRODUCTS OTHER THAN AS DESCRIBED ABOVE AND DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

FCC REQUIREMENTS

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the side of this equipment is a label that contains, among other information, a product identifier that has the format US:AAAEQ##TXXXX. The digits represented by # are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is shown on a label on the equipment. In most but not all areas, the sum of the REN’s should not exceed five (5.0) To be compliant with the FCC, the REN must be established so that the voice grade terminal equipment will work properly in the environment it is designed for.

To ensure the proper performance of this equipment, an overpack box is required to prevent damage in transit.

EMERGENCY NUMBERS:

When programming emergency numbers and/or making test calls to the emergency services, remain on the line and briefly explain to the dispatcher the reason for the call. Perform such activities in the off-peak hours, such as early morning or late evenings.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

PART 15 LIMITATIONS

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Product Support: 715-386-8666

Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.