



GETRON SYSTEM

Wireless Communication Products **Leader**

ON SITE WIRELESS COMMUNICATION SYSTEM REMAINS THE MOST EFFICIENT
AND INEXPENSIVE WAY FOR ALL TODAYS WIRELESS COMMUNICATION.

Contents

1. Component / assembly
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1. Component / assembly



RF-60MP



DC Adaptor(12V)



Data cable



Antenna

2. Switch description

Reception prohibition settings



SW1

No	Details	Status	Default
1,2	RS232 Communication speed	OFF-OFF : 38400 BPS ON- OFF : 19200 BPS OFF-ON : 9600 BPS ON-ON : 2400 BPS	OFF – OFF
3,4	Sensor signal frequency	OFF-OFF : 600 Hz ON - OFF : 500 Hz OFF-ON : 400 Hz ON-ON : 300 Hz	ON – ON
5	GROUP 1,2 reception prohibition	OFF:GROUP 1,2 reception ON:GROUP 1,2 reception prohibition	OFF
6	GROUP 3,4 reception prohibition	OFF:GROUP 3,4 reception ON:GROUP 3,4 reception prohibition	OFF
7	GROUP 5,6 reception prohibition	OFF:GROUP 5,6 reception ON:GROUP 5,6 reception Prohibition	OFF
8	GROUP 7,8 reception prohibition	OFF:GROUP 7,8 reception ON:GROUP 7,8 reception prohibition	OFF

Remark) Formatting flash-ROM: Set to format ROM for initial use or after replacement of ROM.

Switch (8-1) = OFF OFF OFF OFF ON ON ON

2. Switch description

Reception settings



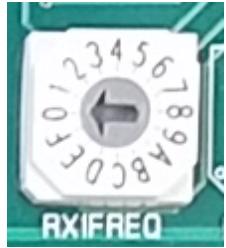
SW2

No	Details	Status	Default
1	Two-way setting	OFF : Two-way response signal transmission ON : Two-way response signal transmission prohibited	OFF
2	Signal type	OFF : Format parallel(4.XXX) ON : Parallel(FCI 6.XXX)	OFF
3	UP-LINK setting	OFF : UP-LINK MODE ON : Result inquiry mode(NORMAL)	ON
4	Authorization PREAMBLE	OFF : Normal state ON : Authorization PREAMBLE	OFF
5,6	Repeated reception prevention time	OFF – OFF : 30 sec. ON – OFF : 20 sec. OFF – ON : 10 sec. On – ON : 5 sec.	OFF-ON
7	Delayed transmission	OFF : Authorization DEVIATION ON : Normal state	ON
8	Transmission	OFF : 1200 BPS ON : 512 BPS	ON

3. Set the Frequency

Switch

Frequency set : BAND(434.0400MHz~434.7900MHz)



Remark) The case of BAND : 60PLL firmware must be set to BAND

1. RX1FREQ: BAND 434(434.0400MHz~434.7900MHz)

Set the transmission/reception frequency responded by 60MP

Transmission/reception is possible when the frequency received at the sensor is identical.

3. Set the Frequency

RX1FREQ #A : 10mW / 1.8KHz / LOW-434 frequency group

Rx frequency : 434.040MHz ~ 434.415MHz

Tx frequency : 434.040MHz ~ 434.790MHz

RX1FREQ #C : 10mW / 2.4KHz / HIGH-434 frequency group

Rx frequency : 434.040MHz ~ 434.415MHz

Tx frequency : 433.440MHz ~ 434.790MHz

RX1FREQ #D : 5mW / 2.4KHz / HIGH-434 frequency group

Rx frequency : 434.440MHz ~ 434.790MHz

Tx frequency : 434.040MHz ~ 434.415MHz

RX1FREQ #E : 10mW / 1.8KHz / HIGH-434 frequency group

Rx frequency : 434.440MHz ~ 434.790MHz

Tx frequency : 434.040MHz ~ 434.415MHz

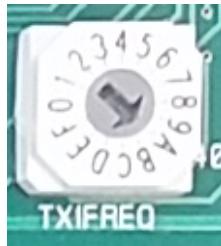
RX1FREQ #F : 5mW / 1.8KHz / HIGH-434 frequency group

Rx frequency : 434.440MHz ~ 434.790MHz

Tx frequency : 434.040MHz ~ 434.415MHz

3. Set the Frequency

Switch



1. TX1FREQ: BAND 434(434.040MHz~434.790MHz) ↩

Set the transmission/reception frequency responded by 60MP

Transmission/reception is possible when the frequency received at the sensor is identical

1-1. When selection a frequency group "LOW-434"

TX1FREQ #0 : [Group 01] Rx 434.040 MHz / Tx 434.440 MHz
TX1FREQ #1 : [Group 02] Rx 434.065 MHz / Tx 434.465 MHz
TX1FREQ #2 : [Group 03] Rx 434.090 MHz / Tx 434.490 MHz
TX1FREQ #3 : [Group 04] Rx 434.115 MHz / Tx 434.515 MHz
TX1FREQ #4 : [Group 05] Rx 434.140 MHz / Tx 434.540 MHz
TX1FREQ #5 : [Group 06] Rx 434.165 MHz / Tx 434.565 MHz
TX1FREQ #6 : [Group 07] Rx 434.190 MHz / Tx 434.590 MHz
TX1FREQ #7 : [Group 08] Rx 434.215 MHz / Tx 434.615 MHz
TX1FREQ #8 : [Group 09] Rx 434.240 MHz / Tx 434.640 MHz
TX1FREQ #9 : [Group 10] Rx 434.265 MHz / Tx 434.665 MHz
TX1FREQ #A : [Group 11] Rx 434.290 MHz / Tx 434.690 MHz
TX1FREQ #B : [Group 12] Rx 434.315 MHz / Tx 434.715 MHz
TX1FREQ #C : [Group 13] Rx 434.340 MHz / Tx 434.740 MHz
TX1FREQ #D : [Group 14] Rx 434.365 MHz / Tx 434.765 MHz
TX1FREQ #E : [Group 15] Rx 434.390 MHz / Tx 434.790 MHz
TX1FREQ #F : [Group 16] Rx 434.415 MHz / Tx 434.790 MHz

1-2. When selection a frequency group "HIGH-434"

TX1FREQ #0 : [Group 01] Rx 434.440 MHz / Tx 434.040 MHz
TX1FREQ #1 : [Group 02] Rx 434.465 MHz / Tx 434.065 MHz
TX1FREQ #2 : [Group 03] Rx 434.490 MHz / Tx 434.090 MHz
TX1FREQ #3 : [Group 04] Rx 434.515 MHz / Tx 434.115 MHz
TX1FREQ #4 : [Group 05] Rx 434.540 MHz / Tx 434.140 MHz
TX1FREQ #5 : [Group 06] Rx 434.565 MHz / Tx 434.165 MHz
TX1FREQ #6 : [Group 07] Rx 434.590 MHz / Tx 434.190 MHz
TX1FREQ #7 : [Group 08] Rx 434.615 MHz / Tx 434.215 MHz
TX1FREQ #8 : [Group 09] Rx 434.640 MHz / Tx 434.240 MHz
TX1FREQ #9 : [Group 10] Rx 434.665 MHz / Tx 434.265 MHz
TX1FREQ #A : [Group 11] Rx 434.690 MHz / Tx 434.290 MHz
TX1FREQ #B : [Group 12] Rx 434.715 MHz / Tx 434.315 MHz
TX1FREQ #C : [Group 13] Rx 434.740 MHz / Tx 434.340 MHz
TX1FREQ #D : [Group 14] Rx 434.765 MHz / Tx 434.365 MHz
TX1FREQ #E : [Group 15] Rx 434.790 MHz / Tx 434.390 MHz
TX1FREQ #F : [Group 16] Rx 434.790 MHz / Tx 434.415 MHz

4. Exterior details

Exterior transmission connection terminal

Serial terminal

Power switch

DC adaptor jack



Rx Antenna

Tx Antenna



Operation status

Indicator lamp

무선 컨트롤 시스템
Wireless Control System

(주)지트론시스템
www.g-tron.co.kr

5. FCC Compliance

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.

Warning: Changes or modifications to this device not expressly approved by Getron System Co., Inc. could void the user's authority to operate the equipment.

Note: 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 the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experience radio/TV technician for help.

Approved antenna: 434MHz RP-SMA Dipole antenna, 50Ω, below -2.0 dBi gain