



RF019 REMOTE CONTROL

Introduction. Model RF019 is a hand held, battery operated, Radio Frequency (RF) transmitter, which operates in conjunction with RF receiver modules. The remote has momentary switches that upon activation provide switch closures on a receiver /control module. This enables the system to control multiple functions.

Each RF019 remote is addressable by initializing selector switches so that the system can be operated in close proximity to other systems without interference or cross talk.

Channels:	1
Frequency:	315 MHz
Operating Temperature Range:	-20°C to 120°C
Power Source:	9-Volt Alkaline Battery
Dimensions:	3.25"L x 5.5"W x 1.0"D
Weight:	4.0 ounces

Specifications subject to change without notice.

**YOU DO NOT NEED AN FCC LICENSE TO OPERATE THIS DEVICE.
HOWEVER, ANY CHANGES OR MODIFICATIONS TO THE DEVICE WILL VOID
THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.**

**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 UNDESIRE OPERATION.**

CAUTION

Batteries. All batteries can cause damage and/or bodily injury such as burns if a conductive material such as jewelry, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects.

Care and Safety. To clean the remote, wipe with a soft cloth dampened with water. Don't use cleaners or solvents on the remote, they can harm the body and leak inside, causing permanent damage. Battery contacts may be wiped with a dry, lint-free cloth.

If the remote gets wet, remove batteries immediately. Dry battery compartment with a soft cloth to minimize potential water damage. Leave cover off the battery compartment overnight or until completely dry. Do not use the remote until completely dry.

Installation. Perform the steps below to set the remote's unique address and install the battery.

Selection of Remote's Unique Address. The remote control contains switches that are set to operate with a receiver/control module with matching switch positions. This allows multiple remotes to be operated in close proximity to each other without causing interference. Refer to Figure 1. To configure the switches in the remote, remove the four screws and separate the plastic enclosure top from the bottom to access the switches. Locate the selector switches (Figure 1). Using a very small tip, flat blade screwdriver, slide each actuator position to either above or below the centerline. The switch positions must be the same as the switch positions on the receiver/control module. Once the switches have been set, assemble the top and bottom of the enclosure together and install the four screws.

Battery Installation. The remote control operates from one 9-volt Alkaline battery. To install the battery, grasp the door and slide it away from the remote. Install the battery into the compartment, which is keyed for the correct polarity. Replace the battery door onto the enclosure.

Operation. The range of the remote will vary depending upon ambient conditions but a typical range of 20 feet around the receiver can be expected. The remote should be held in an upright vertical position with the keypad towards the user. For the best possible reception the user should be facing towards the receiver module. There are multiple switch positions that control separate functions. As each key is pressed the corresponding function on the receiver/control module will engage. Release of the key will interrupt the transmission and return the receiver to its normal state. During operation, if the reception is intermittent the remote should be repositioned by moving it to the left or right, up or down, or by the user changing locations until the optimum reception is achieved.

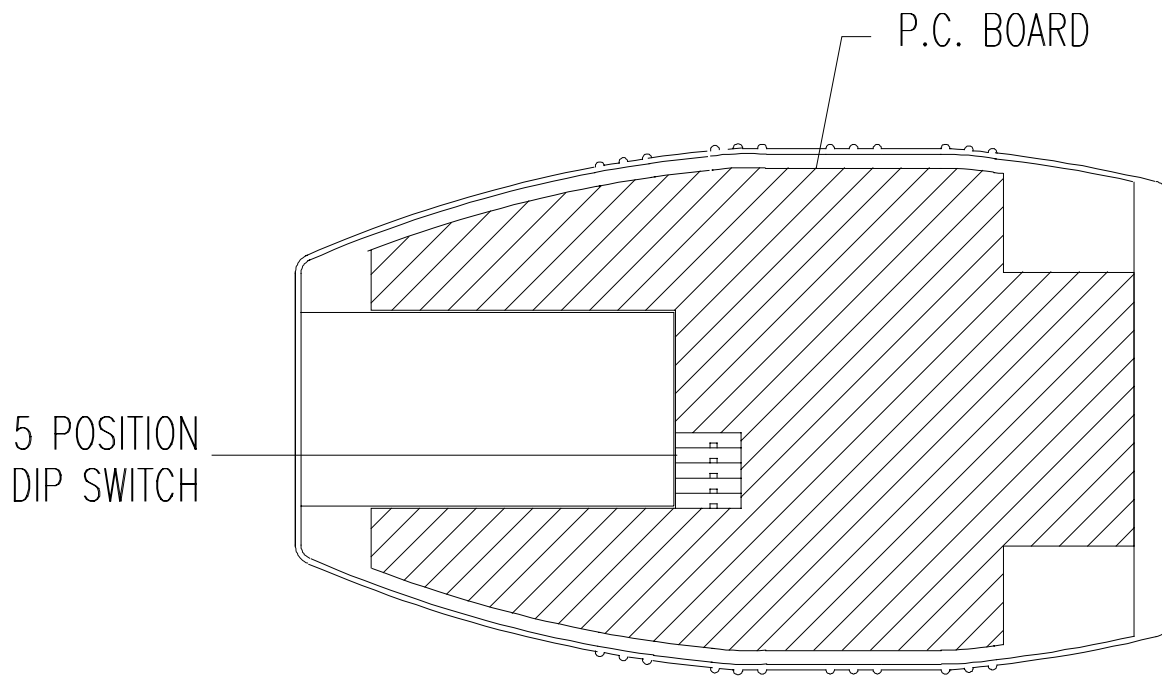


Figure 1. Top View of Remote Control, Top Panel Removed, Showing Location of Selector Switches.