

## **Mike Can Services would like to introduce the** **Wireless Remote-Controlled** **Switch**

*Available exclusively by Mike Can Services*

Now you can switch from one to eight, or more, circuits – wirelessly. As easy as opening your garage door, you can control from lights to appliances to basically anything remotely.

Have you ever wished you could turn something ON or OFF remotely? Like the lights in an entertainment center, accent lights in the living room or even the ceiling fan. Give a hand-held remote to your wife and daughter and if the driveway lights aren't on when they come home at night, no problem. Click and they come on. Another click and they're off or simply have the optional time-delay turn them off for you.

Great for boaters too. Turn off your boathouse lights right from the boat on the way out and on again when you return.

Every unit is custom built to the customer's own needs. Not sold in stores.

### **Where should you use it?**

- Yard/garden Lights – no more walking to the switch downstairs, click your remote!
- Driveway Lights – click the remote and the driveway-lights show you the way.
- Boathouses – Turn ON/OFF the lights in your boathouse from the bridge of your boat.
- Security Lights – Click ON/OFF the lights from anywhere.
- Panic Button – Click the remote to sound an alarm. Great for the elderly.
- Anywhere you can't run a wire for a standard switch.

### **How does it work?**

- Click ON, click OFF operation or
- Click ON, time-delay OFF (optional)
- Also works with hard-wired 3-way switches
- Cleverly installs before the load to be switched
- Can be a master or an override type switch

Read on for more details and to order your own custom build, wireless remote controlled switch/es call or email Mike. See contact information below.

## Wireless Remote-Controlled Switch

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### What's in the box?

Even though each unit is custom built per the customer's requirements, there are however some common components. Each unit comes in a metal enclosure and contains all or some of the following:

- 1 step-down transformer
- 1 24V power supply
- X-number of Y-channel transmitters (see figures 1-3)
- X-number of SPST relays
- X-number of Y-channel receivers (see figures 4 and 5)
- Count down timer (optional)
- Detailed installation instructions
- User's manual
- One year warranty

### How can I get one?

After speaking with the customer and agreeing upon exactly what their wants and needs are the designing stage begins. All components are then collected, custom assembled and the finished unit is tested. Unless otherwise specified, units are shipped FedEx, pre-paid.

The following pages contain more detail on the transmitters and receivers used. If there are any questions left unanswered, please contact us using the information below.

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# HAND-HELD WIRELESS

## Miniature Transmitters

### Models available in one and two buttons

- Compatible with all receivers.
- Supplied with quick-disconnect key ring.
- Three year lithium battery life.



Figure 1: One-button model



Figure 2: Two-button model

## General Specifications

**Dimensions:** 2.25 in L x 1.25 in W x 0.48 in H (57 x 32 x 12 mm), excluding key ring eyelet

**Power:** Two CR1616, CR1620, or DL1620 3V lithium cells (supplied)

**Current Consumption:** 5 mA average while transmitting

**Battery Life:** Three years (typical)

**Measured Range:** 300 feet minimum in open air, four quadrants

**Number of Channels:** One channel and three channels - left button, right button, both buttons simultaneously

**Operating Frequency:** 315 MHz

# TRANSMITTERS

These are the wireless hand-held transmitters that are used to control your switch. With a range of approximately 300+ feet, they work for most applications. For that extra range as well as up to 8-button functionality use the transmitter shown below.

- Compatible with all receivers.
- Comes with visor clip and belt loop.
- Five year lithium battery life.



Figure 3: Four/Eight-button model

## General Specifications

**Dimensions:** 4.2 in L x 1.6 in W x 0.8 in H (107 x 41 x 20 mm)

**Power:** Two 3V DL-2032 lithium batteries (supplied)

**Current Consumption:** 7 mA average while transmitting

**Battery Life:** Five years typical

**Measured Range:** 500 feet minimum in open air (four quadrant test)

**Channels:** 8 channels - all individual buttons on the front of the transmitter (4 channels), plus top and then any front button (4 additional channels)

**Operating Frequency:** 315 MHz

# RECEIVERS

**Models available in two, four and eight channels.**



**Figure 4: Two-channel model**

## General Specifications

(Two-channel Model)

**Operating Frequency:** 315 MHz

**Number of Codes:** 1,048,575

**Channels:** 2 channels

**Measured Range:** 700 feet in one quadrant with standard transmitter; 500 feet in open air (four quadrant test)

**Operating Temp.:** 32° to 140° F (0° to 60° C)

**Number of Stored Transmitter Codes:** 32 per receiver

**Receiver Output:** For "C" relay contact, 1 amp, at 32 VDC per channel

**Field Selectable Receiver Output Modes:**

Momentary, four seconds (factory set)

Momentary, one second Flip-flop toggle latch, 2-Channel

**Input Impedance:** 75 Ohm - 2:1 VSWR

**Operating Voltage:** 11 to 17.5 VDC  
12 to 16 VAC

**Current:** 25 mA in standby at 12 VDC  
90 mA in alarm at 12 VDC

**Connectors:** Screw terminal, +, -, with N/O, N/C, and common per receiver channel

**Dimensions:** 5.5 in L x 1.25 in W x 4 in H (140 x 32 x 102 mm), excluding antenna

**Regulatory Requirements:** FCC and DOC

Depending on how many circuits you need to switch, we offer a remote switching unit in two to eight channels. But if eight circuits are still not enough, combining different units will allow any number of possibilities. If all channels are not used at the start of your job, the remaining ones can easily be implemented later.



**Figure 5: Four/Eight-channel model**

## General Specifications

**Channels:** 4-8 channels

**Receiver Type:** Diversity, dual superheterodyne

**Carrier Frequency:** 315 MHz

**Bandwidth:** 400 KHz typical

**Measured Range:** 1,500 feet typical, with most standard transmitters

**Transmitter Capacity:** 32

**Operating Voltage:** 10.2 to 14.4 VDC or 12 to 16 VAC

**Current:** 30 mA in standby 120mA in alarm

**Operating Temperature:** 32° to 140° F (0° to 60° C)

**Dimensions:** 7.25 in L x 1 in W x 5 in H (185 x 25.4 x 127 mm)

**Antenna:** Two, 9-1/2 in wire whip antennae (supplied)