



**BRAND**  
HYDRAULICS Co.

Made in the Heartland of America  
Serving the World

Engineering & Manufacturing Solutions

# V Series

Radio Remote Control Transmitter  
Model: V100 / V0100080000 / 8 Functions

**2.4GHZ**  
Extended Range

Sealed To  
**IP65**

**32-bit**  
Microprocessor



ISO 9001:2008 WITH DESIGN  
Certificate #02.002.1



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# V Series

Radio Remote Control Transmitter / V100 / V0100080000 / 8 Functions

## FEATURES:

- Engineered and manufactured in the USA
- FCC, IC, CE certified by accredited laboratory
- 2.4 GHz with Extended Range and DSSS ( Direct Sequence Spread Spectrum )
- Worldwide license free operation
- 32-bit ARM-Core Digital Microprocessor
- Simple, straight forward, easy to use control
- Conformal coated circuit board
- 500 ft. range line of sight
- LED diagnostic indicators
- Wireless pairing function
- Powered by a single lithium coin cell battery
- Long battery life
- Ergonomically shaped to fit the hand
- Yellow impact protective boot seal
- No perceivable delay between transmitter and receiver
- Detachable neck lanyard
- Factory configurable for custom applications\*
- Custom membrane keypads\*
- Other impact protective boot seal colors available\*



## APPLICATION:

The V Series radio remote control is used to control the ON/OFF functions of hydraulic valves for motors and cylinders from a remote location. This unit can also control other devices that meet the electrical requirements. Ex. lights, horns, contactors, relays.

## APPLICATION EXAMPLES:

- |                       |                       |
|-----------------------|-----------------------|
| • Tow Trucks          | • AG Equipment        |
| • Winches             | • Power units         |
| • Boat Lifts          | • Automobile Carriers |
| • Gates               | • Grain Carts         |
| • Conveyor Systems    | • Turf Equipment      |
| • Service Truck Crane | • Paving Equipment    |
| • Stump Grinders      | • Door Lifts          |
|                       | • Lighting/Horns      |



**DESCRIPTION:**

The conformal coated V Series are ergonomic, durable, sealed and easy to use radio remote transmitters. All exposed components on the transmitter are made from non corrosive materials. This transmitter is designed with Direct Sequence Spread Spectrum (DSSS) modulation for superior performance. It is a perfect complement to the Brand Series 21, Series 36 and Series 38 stackable directional control valves. Other control valves or solenoids meeting the appropriate specifications may be controlled as well.

**SAFETY:**

Our V Series radio remote transmitters are built with high quality long life components that are designed for use in harsh environments. We use the latest wireless and microprocessor technology including a 32-bit ARM-Core microprocessor to give these small controls some serious digital muscle. Our unique network design allows for operation of multiple units in the same location without interfering with each other. The transmitter includes a built in automatic timeout monitor to prevent unnecessary battery drain.

**RELIABILITY:**

All Brand Hydraulics Co. products are backed by lifetime technical support from the engineers at the Brand Hydraulics Co. manufacturing facility. Our electrical engineers are ready to assist you before and after the sale with technical support. Brand Hydraulics Co. products are backed by a 2 year Limited Warranty Policy. Please visit our website at [www.brand-hyd.com](http://www.brand-hyd.com) for more information.

**COMMON MODEL CODES:**

V0100080000 ..... V100 Series, 8 – Function Radio Remote  
 V0100080001 ..... V100 Series, 8 – Function Radio Remote w/ Lanyard Loop & Lanyard

**MATING BRAND HYDRAULICS RECEIVERS:**

- RP01000002 ( 10 Digital Outputs )
- RP01000005 ( 9 Digital Outputs + 1 Master Digital Output)

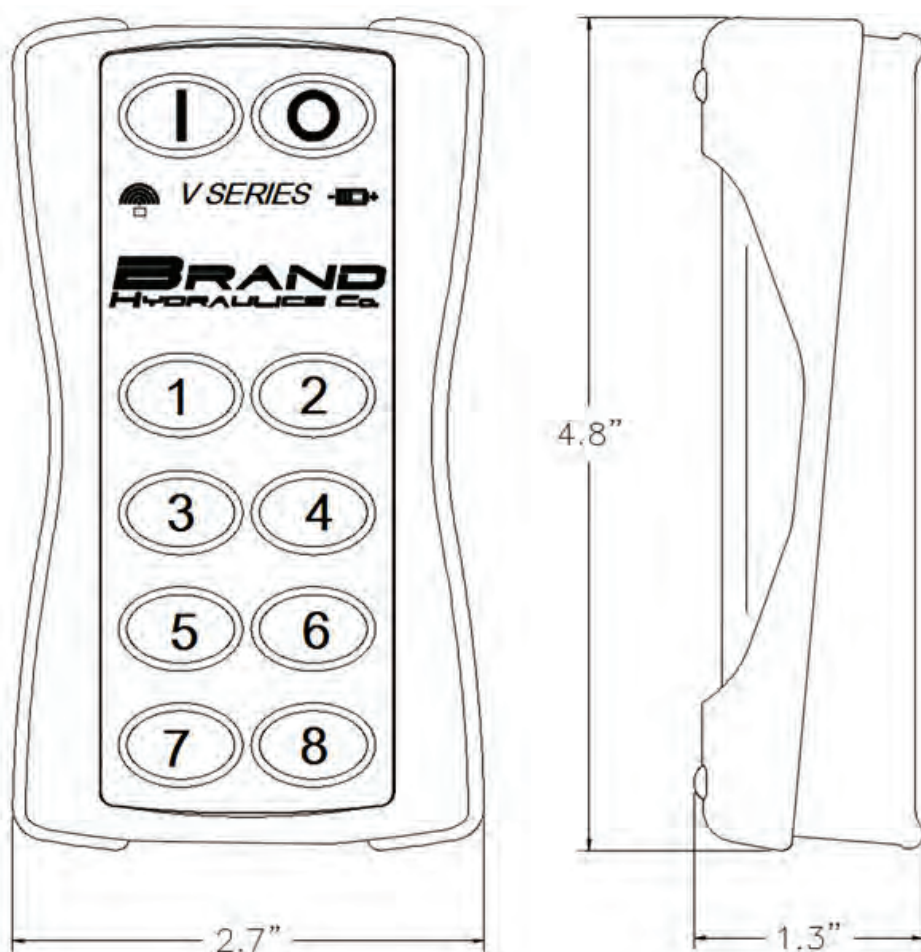
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## SPECIFICATIONS:

Function Keys	8
Function Key Style	Momentary ( one button at a time )
Power Keys	( 2 ) – ON and OFF
Button Life	5,000,000 operations, typical
Response Time	50 ms
Power Source	( 1 ) – 3V CR2450 Lithium Coin Cell, User replaceable
Battery Life	2.0 Years ( estimate based on 20, 10 second operations each day. Actual life may vary based on battery, use and temperature )
Antenna	Internal
Range	500 ft. line of site. Depends on environment
Operating Temperature	-30°C - 60°C ( -22°F - 140°F )
Storage Temperature	-30°C - 60°C ( -22°F - 140°F )
Ingress Protection	IP65
Frequency	2.4 – 2.483 GHz
Modulation	DSSS
Weight, Approximate	4.13 oz with battery installed
Enclosure Material	ABS, Acrylonitrile butadiene styrene
Approvals	USA – FCC Part 15.109 European Union – CE ( EN ETSI 301 489-1, V1.9.2 ) Canada – ICES-003

## V100 DIMENSIONS:



## OPTIONAL REPLACEMENT PARTS AND ACCESSORIES:

E2304 – Replacement Enclosure screws ( 4 per transmitter )

E2360 – Seal Skirt, Yellow for V100

E2832 – Replacement Lanyard

Contact your local Brand Hydraulics distributor for pricing

\*Some options and custom changes may require minimum quantities.

It is the purchaser's responsibility to determine the suitability of any Brand Hydraulics product for an intended application, and to insure that it is installed in accordance with all federal, state, local, private safety, health regulations, and codes and standards. Due to the unlimited variety of machines, vehicles, and equipment on which our products can be used, it is impossible for Brand Hydraulics to offer expert advice on the suitability of a product for a specific application. We believe that it is our customer's responsibility to undertake the appropriate testing and evaluation to prevent injury to the end user.

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.