# MSA8H/V: 8 Button Wall Switch V1.0

The MSA8H/V is designed to work with the Imperial system's

programmed to control a single output, multiple outputs, or

macros. The wall switch can provide on/off control of lights,

low-voltage Multibus. This means that the high voltage wiring is

communication, they can be installed anywhere including wet

Up to 510 wall switches can be programmed to control one

output, as opposed to a maximum of 3 switches or 1 dimmer

not connected directly to the switch as in regular electrical

systems. Since the wall switches use low-voltage bus

MAMA home automation engine. Each button can be

motorized shutters to a preset height.



MSA8H (horizontal)

Description



MSA8V (vertical)

**NOTE:** For more detailed installation and programming instructions, refer to the Imperial System Guide.

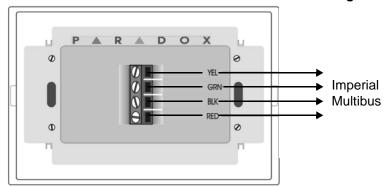
#### **Features**

- 8 buttons to control outputs (lights, sprinklers, shutters, • etc.) or macros (group of outputs)
- Multiple switches can control the same output (max. 510) •
- Custom designer colors available •
- sprinklers or macros, set lights to a fixed dimming level, or open Set in Toggle mode (1 button on/off) or Switch mode (1 button on / 1 button off)
  - Adjustable Day/Night LED brightness •
- All wall switches are driven by the V32 Main Controller's 4 wire Remote firmware upgrade via Multibus using RS485 at 57.6Kbps
  - All programming is done using BabyWare PC Software
  - Connects to Multibus: 4-wire encrypted 13.8 VDC • communication bus
- areas or outdoors (avoiding direct sunlight, or exposure to rain/ Bi-directional Module Locate feature
  - Single gang box installation (for dimensions, refer to Specifications)

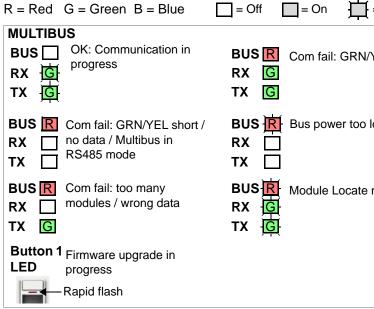
## **Specifications**

Multibus rating	13.8 VDC Class 2; 45 mA
Dimensions	7.4 X 11 X 2.5 cm (2.9 X 4.3 X 1 in.)
Operating	-10°C to 50°C
temperature	(14ºF to 122ºF)

#### Wiring



## **LED Feedback**



**Overview** 

snow).

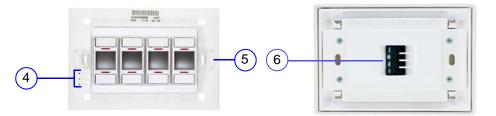
1) Output and macro control buttons

knob in regular electrical systems.

- 2) Button lights
- 3) Button label window and label lights
- Multibus feedback LEDs 4)
- 5) Label travs
- 4-wire Multibus connection 6)



NOTE: "BUS" LED may be labeled "ERR" on some hardware versions.



#### Connecting an MSA8H/V

Imperial

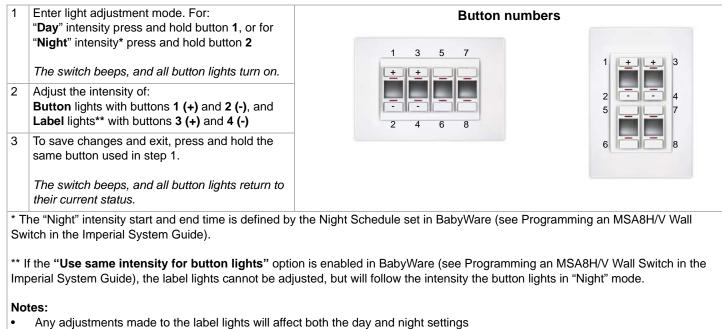
**WARNING:** To avoid damage when installing and servicing, observe proper ESD precautions.

**NOTE:** Wiring methods must be in accordance with the National Electrical Code ANSI/NFPA 70.

= Flashing	BIRDING AND
YEL reversed	
ow	2 A G B
mode	BUTTONS Press to activate/deactivate the button's associated output or action (refer to Programming an MSA8H/V Wall Switch in the Imperial System Guide). R Button activated Button deactivated

#### **Adjusting Button and Label Lights**

You can set the intensity of the button lights and the label window lights. The button LED lights can have a different intensity during the day than during the night. At night, you may prefer that the button lights in the bedroom have a lower intensity. These intensities can be adjusted either in BabyWare or locally:



If no action is taken for 60 seconds, the switch will exit without saving

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PARADOX.COM Printed in Canada - 09/2010 IMSA8-EI02