Barantech
CUSTOMIZED HMI SOLUTIONS

Boat Guard 20A Relay

An End to Boat Switch Problems

Barantech's Boat Guard 20A Relay: the answer to boat switch problems. This piezo touch switch retrofits 22mm pushbutton switches with ease, featuring interchangeable relay modules for maximum flexibility.

Key Characteristics

- **Unmatched Durability:** Stainless steel or anodized aluminum housing options for an ultra-rugged design.

- **Effortless Installation:** Snap-on relay module for quick setup.

- **Vivid Illumination:** Tri-color RGB ring illumination for captivating visual appearance.

- **Reliable and Sealed:** No moving parts, completely sealed against the elements.

- **Enhanced Touch Activation**: Operate by hand, gloves or tools with touch-activated functionality.

- **Built for the Elements:** Unaffected by water, salt accumulation, UV rays, ice, humidity, extreme temperatures as well as shocks and vibrations.

Electrical Data

Switch Function	On/Off toggle
Switch Voltage	9-13V DC
Relay Voltage/Current	250V AC@20A, free polarity
RGB LEDs Current Consumption	12V@30mA

Mechanical Data

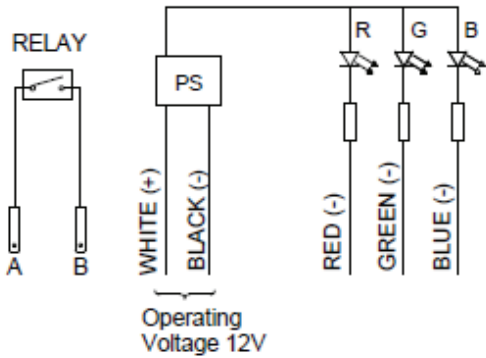|	
Housing Materials	Stainless Steel or Aluminum
Relay Box Materials	Polycarbonate
Actuation Force	3-5 N
Connection	Switch: 22 AWG, Length 300mm Relay: tabs

Environmental Data

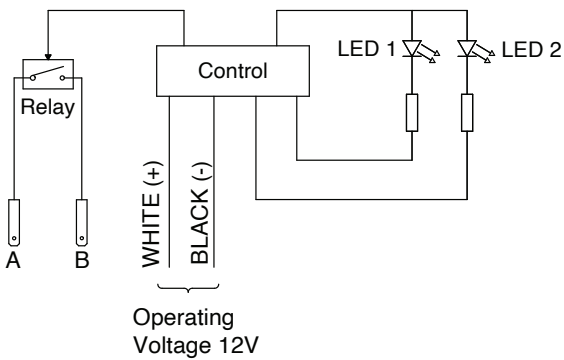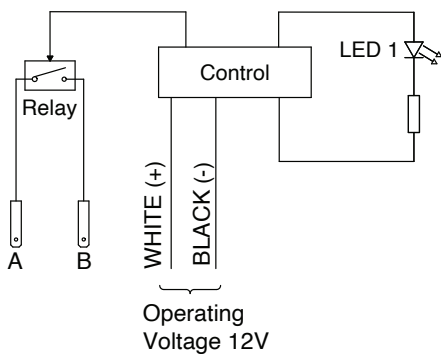|	
Operating Temperature	-20°C to +75°C
Storage Temperature	-40°C to +85°C
Random Vibration	MIL-STD-810G: 08 Method:514.6, Watercraft Category: 21, Marine Vehicles
IP Protection	Front switch side - IP68

Electrical Connection

Manual RGB illumination:

Auto internal control - two colors illumination:

Color Options

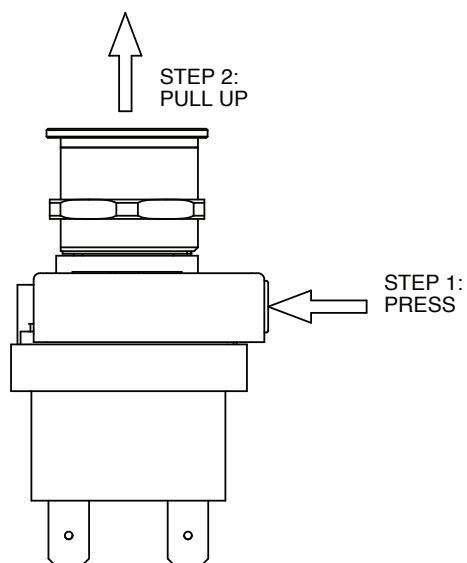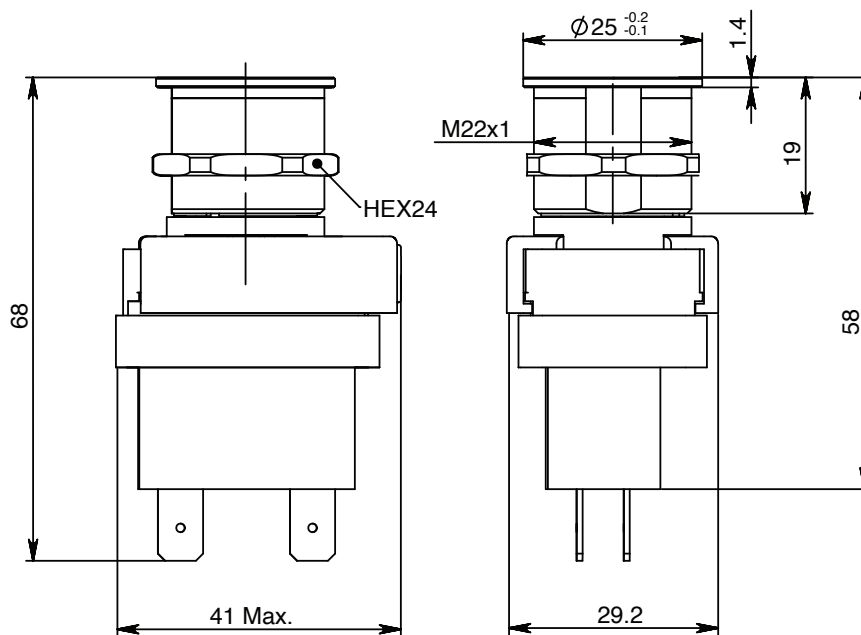| LED 2 - *OFF* State	LED 1 - *ON* State
R	G
	B
G	R
	B
B	R
	G

Auto internal control - one color illumination:

Color Options

LED 2 - *OFF* State	LED 1 - *ON* State
	R
None	G
	B

Mechanical Drawing

HEX24

$\varnothing 25 ^{-0.2}_{-0.1}$

1.4

M22x1

68

41 Max.

19

58

29.2

STEP 2:
PULL UP

STEP 1:
PRESS