

Tri Color LED Electronic Switch

IP 69K 15Amp DT Connector

Features

- ▶ One channel 15 Amp max. Electrical Rating.
- ▶ Two channels 7.5 Amp max. /Channel Electrical Rating.
- ▶ At night every switch is backlit with Blue LED light for great visibility. Turn on a particular function and the LED turns Red letting you know the function is turned on.
- ▶ Stainless Steel SS316 Body and IP69K Waterproof Rating.
- ▶ Protection from Salt Spray.
- ▶ 20g Bump Shock Test Approved.
- ▶ Wires/Switch meet Flammability Rating UL 94 V2 and
- ▶ All material will be non-flammable or will be 105°C spec. When the pump is running, the LED turns red automatically

Specification

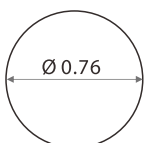
Illuminated	Blue , Green & Red LED
Voltage Rating	12VDC ~ 24 VDC
Max. Current	15 Amp
Mechanical Life	50,000 Cycles
Electrical Life Contact	10,000 Cycles
Resistance Insulation	50 mΩ Maximum
Resistance	1000mΩ Mimumum
Dielectric Strength	2,000 VAC
Operate Storage Temp	-20°C ~ +55°C
Travel	1.50mm
Moistrue Protection	IP69K
Contact Material	Silver Alloy
Actuation Force	4 N
Panel Thickness	1-6mm
Mounting Nut Torque	5-14Nm
Construction Material	
Body Material	Stainless Steel SS316
Lens Material	PC material rated to 105°C
Switch Plug & Dongle	Nylon 6 rated to 105°C
Deutsch Recommended Part#	
Large socket	0462-203-12141
Small socket	0462-209-16141
Dummy Plug	14017-ZZ

Recommended Wiring

Orange (Power +) Grey (Load 1 +)
Blue (Blue LED +) Grey/Blue (Load 2 +)
Black (Ground -)

Black 18awg	Ground -
Blue 18awg	Blue LED +12Vdc
Grey 16awg	Load1 +12Vdc
Orange 16awg	Power +12Vdc
Grey/Blue 16awg	Load2 +12Vdc

Mounting Hole



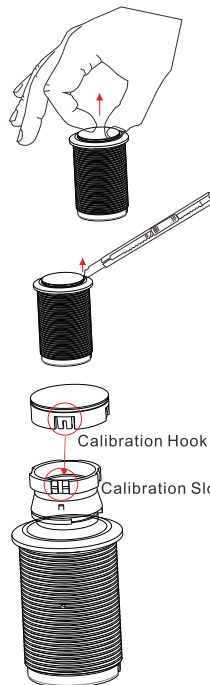
Warning !!

- ▶ Permanent Failure will occur if any power and ground leads are shorted together on the switch.
- ▶ Only use Bluewater DT connector, other connector will cause damage.

Part No.

Function	Parts No.	LED Color			Rear Mark Page
		Off	1st On	2nd On	
Off-On	9057-1113	(Blue)	Red	X	Red dot
	9057-1123	(Green)	Blue	X	
Off-(On)	9057-2113	(Blue)	Red	X	Green dot
	9057-2133	(Green)	Blue	X	
Off-(On) - (On)	9057-2123	(Blue)	Green	Red	Green dot with a Line
	9057-2223	(Green)	Blue	Red	
Off-On-On	9057-3113	(Blue)	Green	Red	Blue dot
	9057-3123	(Green)	Blue	Red	
Nav/Anc	9057-3114	(Blue)	Green	Red	White dot
Dimmer	9057-3116	(Blue)	Red	X	Black dot
Switch Plug	9057-4914	5 pin Deutsch Plug			

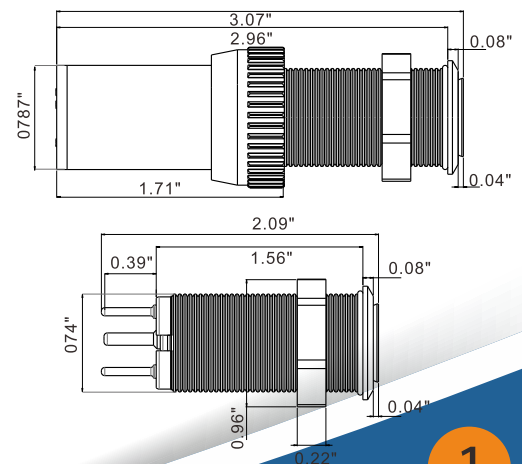
Replaceable Push Button Actuator



Style	Parts No.
Full Translucent	9551-1001
SS Ring	9551-1002
SS Ring (Black)	9551-1003
SS Ring (Titanium)	9551-1004
Laser Logo(Blank)	9551-1005
Laser Logo(Red)	9551-1019
Laser Logo(Cust) Custom Text	9551-0001~ -0188

Standard Legend Imprinting Code : Page 6

Size Diagram



1

* We reserve the right to change specifications at any time without incurring any obligations!

9057-1113

Off - On

Off - [Blue] On - Red LED

Operation

- ▶ Press turns on the device (LED turns Red).
- ▶ Press turns off the device (LED turns Blue)



Laser Etched Actuator in **Daytime Mode**
LED light is off.



Laser Etched Actuator in **nighttime Mode**
The Blue LED provides great visibility of the function switches and lets you know that the swithes are in off position .



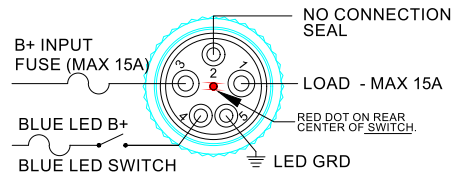
Laser Etched Actuator in **On Mode**
The Red LED lets you know that the device is on .

Dimming Instruction

- ▶ Press and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

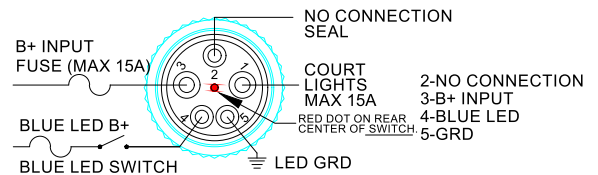
OFF CAN BE BLUE BACKLIT - APPLY B+ TO TERM 4.
1ST PUSH - LIGHTS RED [LOAD 1 ON]
2ND PUSH - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

COURTESY LIGHTS EXAMPLE

OFF CAN BE BLUE BACKLIT - APPLY B+ TO 4.
1ST PUSH - LIGHTS RED [COURT LTS ON]
2ND PUSH - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

9057-1123

Off - On

Off - [Green] On - Blue LED

Operation

- ▶ Press turns on the device (LED turns Blue).
- ▶ Press turns off the device (LED turns Green)



Laser Etched Actuator in **Daytime Mode**
LED light is off.



Laser Etched Actuator in **nighttime Mode**
The Green LED provides great visibility of the function switches and lets you know that the swithes are in off position .



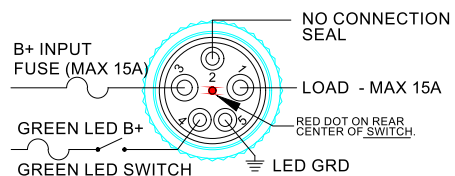
Laser Etched Actuator in **On Mode**
The Blue LED lets you know that the device is on .

Dimming Instruction

- ▶ Press and hold the button for 5 seconds at off mode (Green LED flash).
- ▶ Press the button to adjust the Green Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

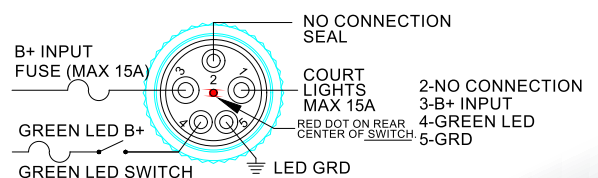
OFF CAN BE GREEN BACKLIT - APPLY B+ TO TERM 4.
1ST PUSH - LIGHTS BLUE [LOAD 1 ON]
2ND PUSH - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

COURTESY LIGHTS EXAMPLE

OFF CAN BE GREEN BACKLIT - APPLY B+ TO 4.
1ST PUSH - LIGHTS BLUE [COURT LTS ON]
2ND PUSH - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

9057-2113

Off - (On)

Off - [Blue] On - Red LED

Operation

- ▶ Press and hold the button to turns on the device (LED turns Red) .
- ▶ Release the button to turns off the device (LED turns Blue)



Laser Etched Actuator in **Daytime Mode**
LED light is off.



Laser Etched Actuator in **Nighttime Mode**
The Blue LED provides great visibility of the function switches and lets you know that the swithes are in off position .



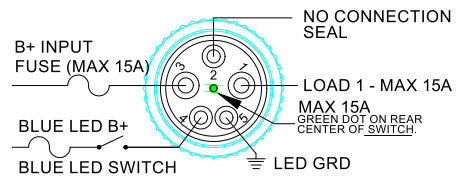
Laser Etched Actuator in **On Mode**
The Red LED lets you know that the device is on .

Dimming Instruction

- ▶ Press 6 times and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

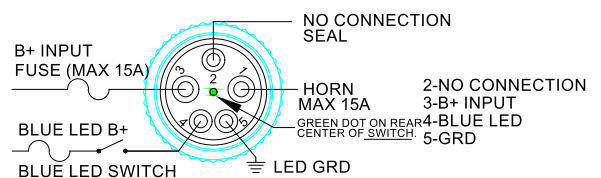
OFF CAN BE BLUE BACKLIT - APPLY B+ TO TERM 4.
MOM PUSH - LIGHTS RED [LOAD 1 MOM ON]
RELEASE - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 4, 5 ARE DEUTCH DP [SMALL] FEM TERM
POS 2 SEAL

HORN EXAMPLE

OFF CAN BE BLUE BACKLIT - APPLY B+ TO 4.
MOM PUSH - LIGHTS RED [HORN ON]
RELEASE OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

9057-2133

Off - (On)

OFF-[Green] - ON- Blue LED

Operation

- ▶ Press and hold the button to turns on the device (LED turns Blue) .
- ▶ Release the button to turns off the device (LED turns Green)



PU Dome Backlit label in **Daytime Mode**
LED light is off.



PU Dome Backlit label in **Nighttime Mode**
The Green LED provides great visibility of the function switches and lets you know that the swithes are in off position .



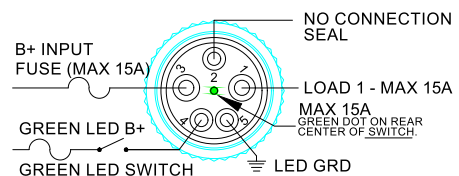
PU Dome Backlit label in **On Mode**
The Blue LED lets you know that the device is on .

Dimming Instruction

- ▶ Press 6 times and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

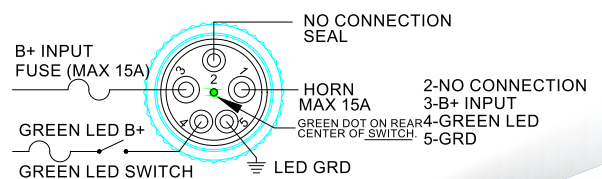
OFF CAN BE GREEN BACKLIT - APPLY B+ TO TERM 4.
MOM PUSH - LIGHTS BLUE [LOAD 1 MOM ON]
RELEASE - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 4, 5 ARE DEUTCH DP [SMALL] FEM TERM
POS 2 SEAL

HORN EXAMPLE

OFF CAN BE GREEN BACKLIT - APPLY B+ TO 4.
MOM PUSH - LIGHTS BLUE [HORN ON]
RELEASE OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 2, 4, 5 ARE DEUTCH DP [SMALL] FEM TERM

9057-3114

Nav/Anc Switch

OFF-[1 & 2 ON]-[2 ON & 1 OFF]

Operation

- ▶ Press turns on the Navigation & Anchor lights (LED turns Green).
- ▶ Press leaves Anchor light on and turns off Navigation light (LED turns Red)
- ▶ Press turns off Anchor light (LED turns Blue)



PU Dome Backlit label in **Daytime Mode**
LED light is off.



PU Dome Backlit label in **Nighttime Mode**
The Blue LED provides great visibility of the function switches and lets you know that the switches are in off position.



PU Dome Backlit label in **Nav/Anc Mode**
The Green LED lets you know that the Nav and Anchor switches are in on position.



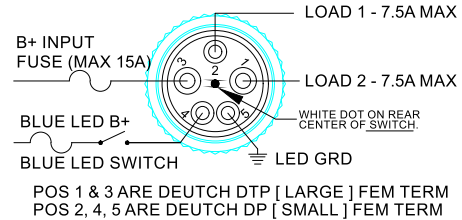
PU Dome Backlit label in **Anchor Mode**
The Red LED lets you know that the Anchor switch is on.

Dimming Instruction

- ▶ Press and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

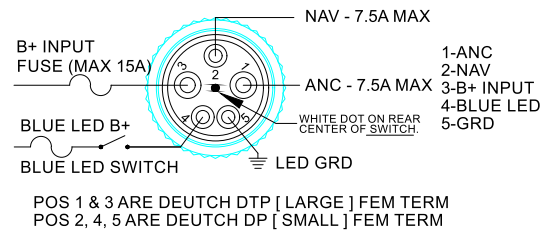
REAR PLUG VIEW

OFF CAN BE BLUE BACKLIT - APPLY B+ TO TERM 4.
1ST PUSH - LIGHTS GREEN [BOTH 1 & 2 LOADS ON]
2ND PUSH - LIGHTS RED [ONLY LOAD 2 ON]
3RD PUSH - OFF



NAV/ANC EXAMPLE

OFF CAN BE BLUE BACKLIT - APPLY B+ TO 4.
1ST PUSH - LIGHTS GREEN [BOTH NAV & ANC LOADS ON]
2ND PUSH LIGHTS RED [ONLY ANC LOAD ON]



9057-3113

Off-On-On Switch

OFF-[1 ON & 2 OFF]-[2 ON & 1 OFF]

Operation

- ▶ Press turns on Load 1 (LED turns Green).
- ▶ Press turns on Load 2 (LED turns Red)
- ▶ Press turns off Load 2 & 1 (LED turns Blue)



PU Dome Backlit label in **Daytime Mode**
LED light is off.



PU Dome Backlit label in **Nighttime Mode**
The Blue LED provides great visibility of the function switches and lets you know that the switches are in off position.



PU Dome Backlit label in **Load 1 Mode**
The Green LED lets you know that the Load 1 device is in on position.



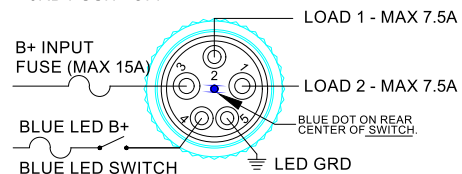
PU Dome Backlit label in **Load 2 Mode**
The Red LED lets you know that the Load 2 device is in on position.

Dimming Instruction

- ▶ Press and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

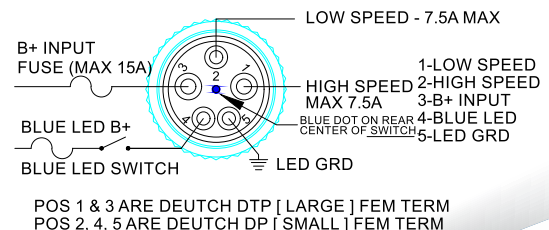
REAR PLUG VIEW

OFF CAN BE BLUE BACKLIT - APPLY B+ TO TERM 4.
1ST PUSH - LIGHTS GREEN [LOAD 1 ON 2 OFF]
2ND PUSH - LIGHTS RED [LOAD 2 ON 1 OFF]
3RD PUSH - OFF



2 SPEED WIPER EXAMPLE

OFF CAN BE BLUE BACKLIT - APPLY B+ TO 4.
1ST PUSH - LIGHTS GREEN [LOW ON, HIGH OFF]
2ND PUSH - LIGHTS RED [HIGH ON, LOW OFF]
3RD PUSH - OFF



9057-2123 Dual Momentary

OFF-[1 M ON] - [2 MON] GRE/RED

Operation

- ▶ Press and hold the button turns on Load 1 (LED turns Green).
- ▶ Press and hold the button turns on Load 2 (LED turns Red).
- ▶ Release the button to turns off Load 1 & 2 (LED turns Blue)



*Laser Etched Actuator in **Daytime Mode**
LED light is off.*



*Laser Etched Actuator in **Nighttime Mode**
The Blue LED provides great visibility of the function switches and lets you know that the switches are in off position.*



*Laser Etched Actuator in **Load 1 Mode**
The Green LED lets you know that the Load 1 device is in on position.*



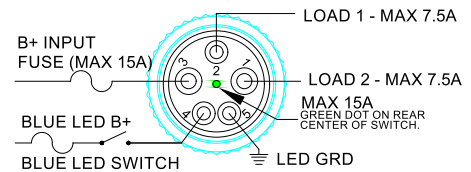
*Laser Etched Actuator in **Load 2 Mode**
The Red LED lets you know that the Load 2 device is in on position.*

Dimming Instruction

- ▶ Press 6 times and hold the button for 5 seconds at off mode (Blue LED flash).
- ▶ Press the button to adjust the Blue Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

OFF CAN BE BLUE BACKLIT - APPLY B+ TO TERM 4.
MOM 1ST PUSH - LIGHTS GREEN [LOAD 1 MOM ON]
MOM 2ND PUSH - LIGHTS RED [LOAD 2 MOM ON]
RELEASE - OFF



POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 4, 5 ARE DEUTCH DP [SMALL] FEM TERM
POS 2 SEAL

9057-2223 Dual Momentary

OFF-[1 M ON] - [2 MON] BLU/RED

Operation

- ▶ Press and hold the button turns on Load 1 (LED turns Blue).
- ▶ Press and hold the button turns on Load 2 (LED turns Red).
- ▶ Release the button to turns off Load 1 & 2 (LED turns Green)



*Laser Etched Actuator in **Daytime Mode**
LED light is off.*



*Laser Etched Actuator in **Nighttime Mode**
The Green LED provides great visibility of the function switches and lets you know that the switches are in off position.*



*Laser Etched Actuator in **Load 1 Mode**
The Blue LED lets you know that the Load 1 device is in on position.*



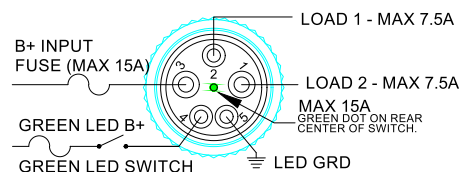
*Laser Etched Actuator in **Load 2 Mode**
The Red LED lets you know that the Load 2 device is in on position.*

Dimming Instruction

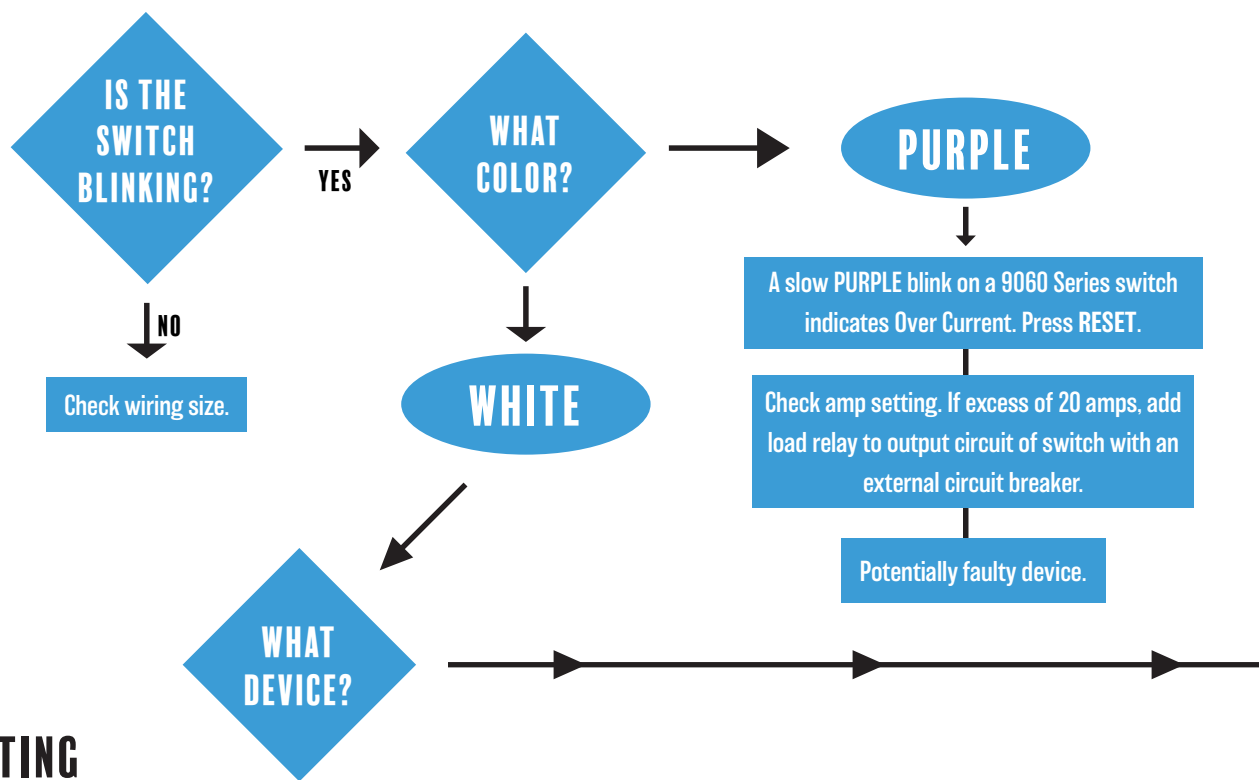
- ▶ Press 6 times and hold the button for 5 seconds at off mode (Green LED flash).
- ▶ Press the button to adjust the Green Backlight level (3 levels)
- ▶ Wait for 3 seconds will set the light level automatically

REAR PLUG VIEW

OFF CAN BE GREEN BACKLIT - APPLY B+ TO TERM 4.
MOM 1ST PUSH - LIGHTS BLUE [LOAD 1 MOM ON]
MOM 2ND PUSH - LIGHTS RED [LOAD 2 MOM ON]
RELEASE - OFF

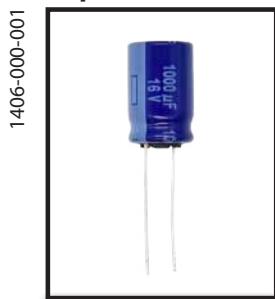


POS 1 & 3 ARE DEUTCH DTP [LARGE] FEM TERM
POS 4, 5 ARE DEUTCH DP [SMALL] FEM TERM
POS 2 SEAL

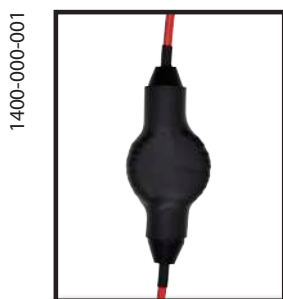


TROUBLESHOOTING PARTS

Capacitor



Choke



Diode

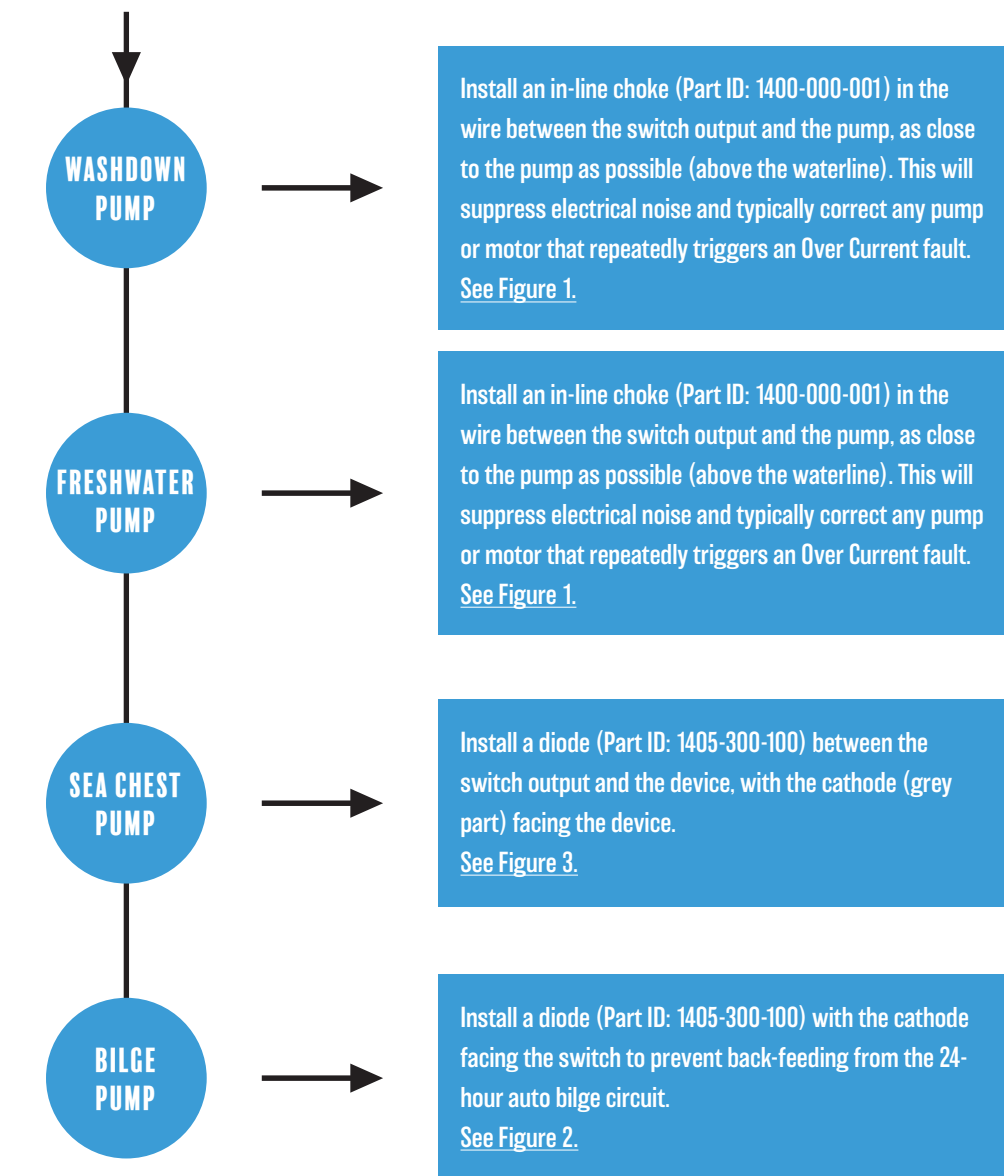
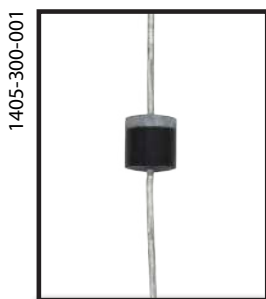


FIGURE 1

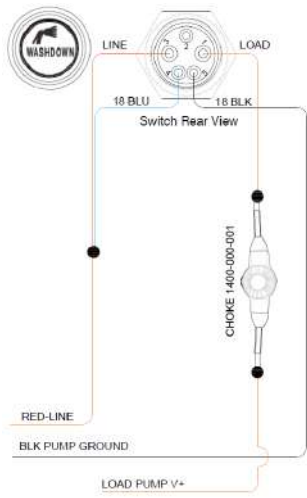


FIGURE 2

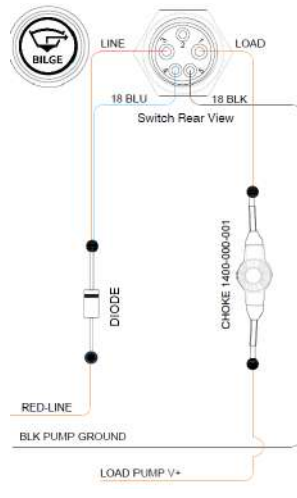
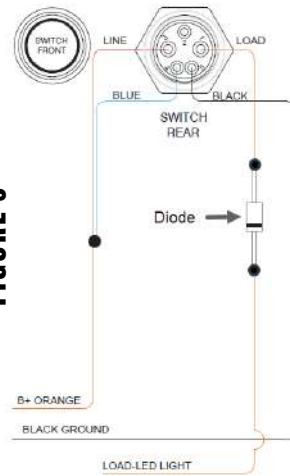


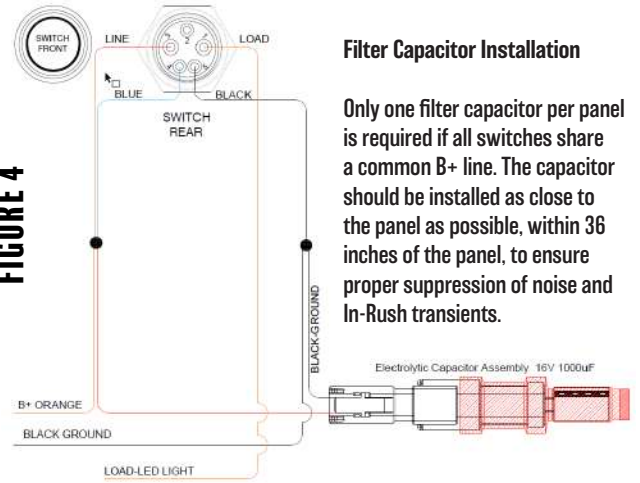
FIGURE 3



Bilge Pump Switch Installation

A diode is required on every bilge pump switch to prevent back-feeding and ensure proper operation. A choke is not typically necessary; however, if a choke is required, it should be installed as close to the pump as possible, above the waterline, to effectively suppress noise.

FIGURE 4



Filter Capacitor Installation

Only one filter capacitor per panel is required if all switches share a common B+ line. The capacitor should be installed as close to the panel as possible, within 36 inches of the panel, to ensure proper suppression of noise and In-Rush transients.

GARMIN/
MFDS

Install a diode (Part ID: 1405-300-100) between the switch output and the device, with the cathode (grey part) facing the device.
See [Figure 3](#).

LED
LIGHTS

Install a diode (Part ID: 1405-300-100) between the switch output and the device, with the cathode (grey part) facing the device.
See [Figure 3](#).

STILL
BLINKING

Install a 16V 1000uF electrolytic capacitor (Part ID: 1406-000-001) across Line B+ and Ground near the LED switch. This stabilizes voltage and prevents In-Rush or Over Current faults. Note that faults may not appear until after extended operation, when voltage drops or temperature rises.
See [Figure 4](#).

RELAY / RELAY
STYLE
BATTERY SWITCH

Install a diode (Part ID: 1405-300-100) between the switch output and the device, with the cathode (grey part) facing the device.
See [Figure 3](#).

STILL
BLINKING

Install a 16V 1000uF electrolytic capacitor (Part ID: 1406-000-001) across Line B+ and Ground near the switch. This stabilizes voltage and corrects the issue creating the fault.
See [Figure 4](#).

EVACUATION
BLOWER/FAN

Install a diode (Part ID: 1405-300-100) between the switch output and the device, with the cathode (grey part) facing the device.
See [Figure 3](#).

STILL
BLINKING

Install a 16V 1000uF electrolytic capacitor (Part ID: 1406-000-001) across Line B+ and Ground near the switch. This stabilizes voltage and corrects the issue creating the fault.
See [Figure 4](#).