





Specifications	Momentary & Latching	Navigation			
Operating Voltage Range	6VDC ~ 26.4VDC	6VDC ~ 28VDC			
Nominal Load Current	24A (T _A = 85°C)	5A per channel, 10A total (T _A = 85°C)			
Maximum Inrush Current	60A at (T _A = 85°C)	52A at (T _A = 85°C)			
Short Circuit Protection	Output does not function. Reset by cycling through OFF position. (unless short circuit condition continues)	Output does not function. Reset by cycling through OFF position. (unless short circuit condition continues)			
Over Temperature Protection	Output does not function Will reset when internal junction temperature returns to 150°C or below.	Output does not function Will reset when internal junction temperature returns to 150°C or below.			
Reverse Polarity Protection	-80VDC	-80VDC			
Actuator Travel	Travel to Make: 1.75±.5mm; Total Travel: 3.5±.5mm				
Actuation Force	500±100gF				
Electrical Endurance	1,000,000 cycles minimum				
Impact Resistance	IK08				
Shock Resistance	30G, 11ms				
Vibration Resistance	10G, 10-500Hz				
Operating Temperature	-25°C to 85°C (contact factory for higher values)				
Storage Temperature	-25°C to 85°C (contact factory for higher values)				
Sealing Degree	IP68				

Materials

LED Lens	Polycarbonate (PC)
Threaded Body	Stainless Steel (SUS 316F)
Actuator	Stainless Steel (SUS 316F)
Wire	GXL Automotive Grade, (XLPE) insulation
Hardware	One Hex Nut & One "O" Ring supplied

			Color			
LED Characteristics			В	R	G	Units
Reverse Voltage	V_R	5	5	5	5	V
Forward Curent (avg)	IF	30	30	30	30	mA
Forward Current (peak)	I _{FS}	100	100	150	100	mA
Reverse Current V _R = 5V	I_R	10	10	10	10	μA
Power Dissipation	P _T	120	105	72	100	mW
Operating & Storage Temperature	T _A	-40°C ~ 85°C			C°	
Forward Voltage (typ) I _F = 20mA	V_{F}	2.8	3.3	2.0	3.3	V
Forward Voltage (max) I _F = 20mA	V_{F}	3.3	3.5	2.4	3.7	V
Wavelength at Peak Emmission I _F = 20mA	λ_{P}	n/a	465	630	532	nm
Spectral Line Half-Width I _F = 20mA	Δλ	n/a	25	15	35	nm
Luminous Intensity, I _F = 20mA	LI	2900	400	350	1000	mcd
Viewing Angle	Θ	120	120	120	120	deg

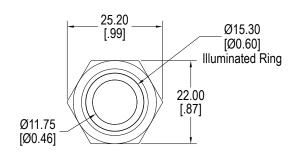


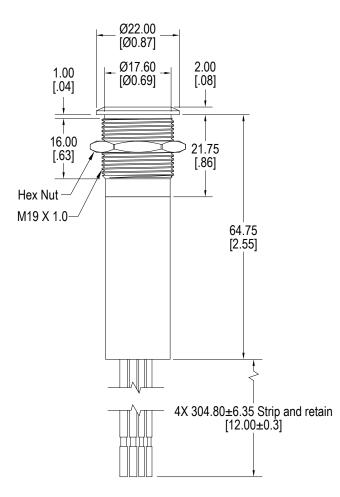
Ordering Information

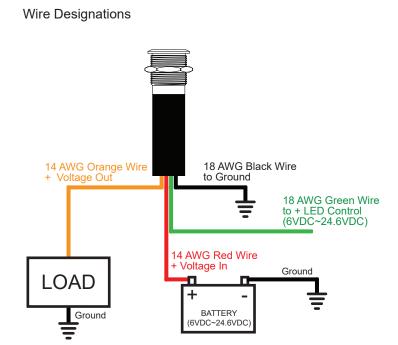
1. Series	SS1	19	С	В	S	N	W
SS1							
2. Housing Diameter 19 = 19mm	er						
Second Pres		Channel 2 ON N & Channel 2 OF F & Channel 2 OFF					
4. Illumination B = Flush actuate	or, ring illuminat	ed					
5. Switch Finish S = Brushed 316	F Stainless Stee	el					
Second Pres Third Press : NA = Navigation : First Press :	Alternate Blue LED illumi ss : Red LED illu OFF	uminates nates iminates					
8. Wire Length W = 12", standar Contact Factory for		s					



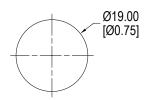
Dimensions — Momentary Function





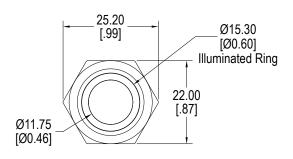


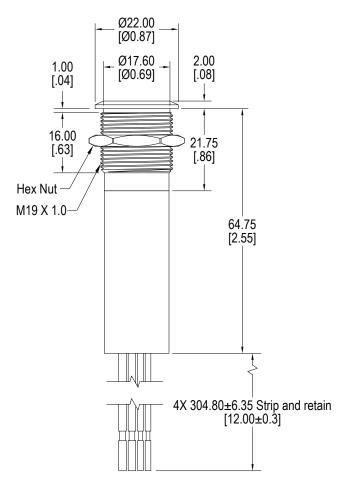
Panel Cut-Out

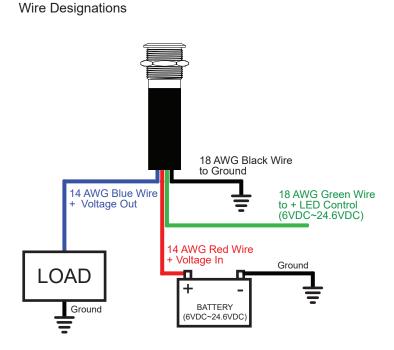




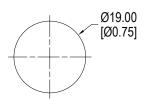
Dimensions — Latching Function





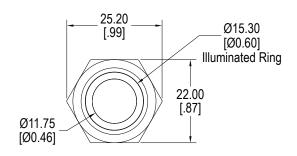


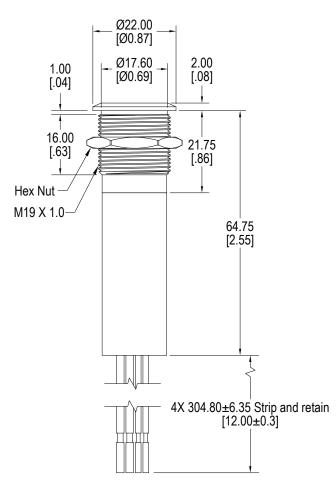
Panel Cut-Out



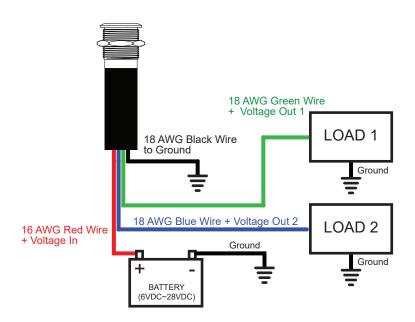


Dimensions — **Navigation Function**





Wire Designations



Panel Cut-Out

