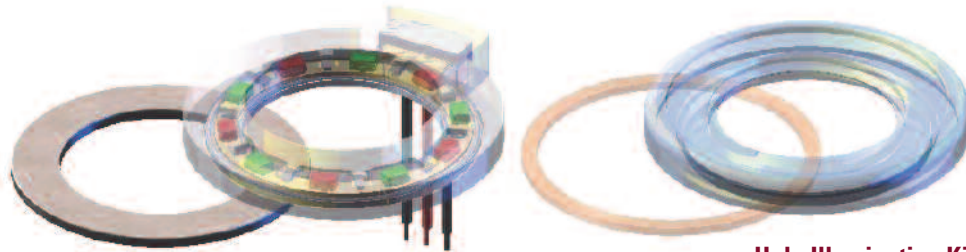


BEYOND DURABLE.™

The Halo Illumination kit is comprised of a translucent diffuser, a gasket, LED assembly and a flat washer. You will need to retain and use the original black o-ring and mounting nut that comes with the ActiveMetal switch. Available for use with 5 or 12VDC supply voltages and optional dual LED color combinations (controlled external to the switch operation).



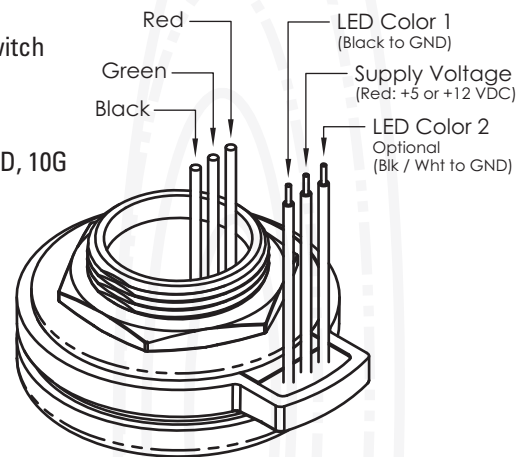
Halo Illumination Kit

PRODUCT SPECIFICATIONS (HALO KIT ONLY)

- Red, Green, Blue, Yellow or White LEDs
- Dual Color Combinations Available
- LEDs Controlled External to the Switch
- 5 VDC or 12 VDC Supply Voltages
- Current Draw: < 120 mA per Color Illuminated (25° C)
- To Activate LEDs Pull the Appropriate Wire Color to Ground
- Can be used with any ActiveMetal Switch Size, Voltage or Housing Material (except 38mm)
- Vibration: MIL-STD-202G, Method 204D, 10G

Switch Wiring

Halo Wiring



| Halo Kit Normal Voltage       | 5 VDC ±10%   | 12 VDC ±10% |
|-------------------------------|--------------|-------------|
| Min Supply Voltage            | 4.1 VDC      | 8.1 VDC     |
| Max Supply Voltage            | 6.8 VDC      | 15.2 VDC    |
| Reverse Voltage               | 5 VDC        | 12 VDC      |
| Current Draw (normal voltage) | 75 – 120 mA* | < 40 mA*    |

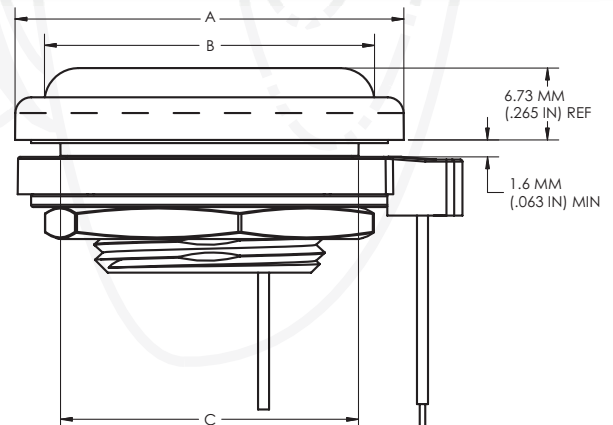
Above table values at room temperature.

\* Dependant on LED Color

MOUNTING SPECIFICATIONS (HALO KIT ONLY)

- Panel Cutouts noted in table to the right
- Panel Thickness: Min. 1.60 mm (0.063") Max. 5.46 mm (0.215")
- Mounting Torque: 5 in•lbs
- Operating Temp. Range: -40° C to +85° C
- Ingress Protection: IP67 with panel

| ActiveMetal Assemblies     | 19 mm          | 22 mm            | 30 mm          |
|----------------------------|----------------|------------------|----------------|
| Halo Diffuser Diameter (A) | 33 mm (1.299") | 36.5 mm (1.437") | 46 mm (1.811") |
| Switch Bezel Diameter (B)  | 28 mm (1.102") | 31 mm (1.220")   | 39 mm (1.535") |
| Panel Hole Diameter (C)    | 25 mm (0.984") | 28.3 mm (1.114") | 37 mm (1.457") |



ActiveMetal Switches sold separately.

This accessory is not currently available for use with the 38mm ActiveMetal Switch.

Design and specifications subject to change without notice due to continuing product improvements

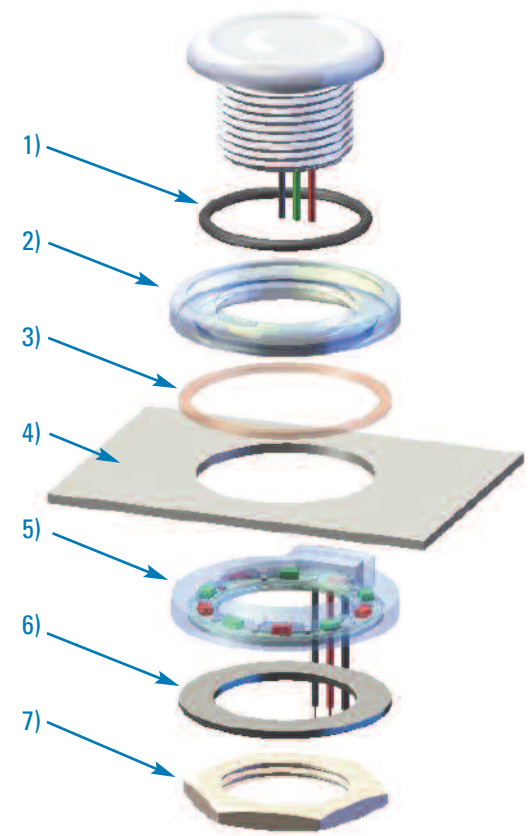
800.544.3354

www.ActiveMetal.com

BEYOND DURABLE.™

**ORDER OF ASSEMBLY**

- 1) Holding the switch thread side up, place o-ring into the groove in the switch
- 2) Thread diffuser onto switch, make sure o-ring remains in the groove (Note: the diffuser should be loose above the switch threads)
- 3) Place the gasket on the diffuser
- 4) Insert the switch / diffuser assembly through the panel cutout
- 5) Slide LED assembly onto switch (Note: LED assembly is keyed to the double D-flats on the switch)
- 6) Insert washer and nut
- 7) Tighten nut to 5 in•lbs in lbs to maintain an IP67 seal.



**HALO KIT PART NUMBER MATRIX**

|  |   |
|--|---|
| T02-□□□□□  |   |
| <p><b>Switch Size:</b></p> <p>19 = 19mm<br/>22 = 22mm<br/>30 = 30mm</p>                            | <p><b>Supply Voltage:</b></p> <p>05 = 5 VDC<sup>1</sup><br/>12 = 12 VDC<sup>1</sup></p>                                   |
| <p><b>LED Color (1):</b></p> <p>1 = Red<br/>2 = Green<br/>3 = Blue<br/>4 = Amber<br/>5 = White</p> | <p><b>LED Color (2, Optional):</b></p> <p>0 = None<br/>1 = Red<br/>2 = Green<br/>3 = Blue<br/>4 = Amber<br/>5 = White</p> |

ActiveMetal Switches sold separately.  
<sup>1</sup> Forward current limiting resistor is built-in to LED assembly.

**WIRING SCHEMES**

**5VDC NORMALLY OPEN SWITCH WITH 5VDC HALO KIT**

