## "ILLUMINATER™ " SERIES SEALED ROCKER SWITCHES

#### **DESCRIPTION**

The new Illuminater series of front panel mounted rocker switches are sealed to meet the watertight requirements of MIL-STD-108E. Product variations are with standard or locking rocker Actuator, and single or double pole switching with multi-circuits. A variety of accessory items are also available. This product is ideally suited for use in harsh environmental applications.

#### **DESIGN FEATURES**

- Front panel mounted
- Totally sealed switching chamber
- Various circuit variations
- Keyed assembly actuator to bezel and base to connector
- Removable rocker button
- One or two lamp capability
- Full size clear lens with non-glare surface
- · Icons located beneath lens surface (high wearability)
- · Diffusion lens alters icon background lighting
- Minimum light leakage
- Various locking styles available
- Matte black textured finish on bezel/actuator
- Molded-in terminal identification
- Molded-in orientation mark

#### **SPECIFICATIONS**

- Watertight per MIL-STD-108E
- Temperature range: -40°F to +160°F (-40°C to +71°C)
- Dielectric strength 1800 V RMS @ sea level
- Life: 50,000 cycles min. electrical; 100,000 cycles min. mechanical
- Silver plated contact standard
- Flame retardant thermoplastic bezel and base
- Stainless steel mounting clips



## ACCESSORIES

- Indicator light assembly (see page C7)
- Filler plug (see page C6)
- Connector (see page C7)
- Gang mounting system

#### **OPTIONS**

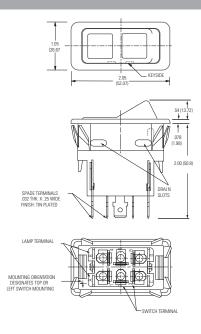
- Non-illuminated switch
- Gold plated contacts



# "ILLUMINATER™ " SERIES ENGINEERING DATA

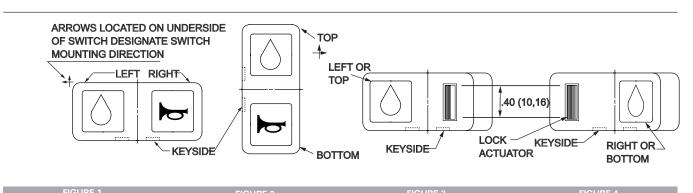
SINGLE POLE ELECTRICAL RATINGS						DOUBLE POLE ELECTRICAL RATINGS							
	6 & 14VDC			28VDC				6 & 14VDC		28VDC			
Type of Operation	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load	Lamp Load	Type of Operation	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load	Lamp Load
Maintained	25	15	7.5	20	15	5	Maintained	30	20	10	20	15	7
Momentary	20	10	6	15	10	4	Momentary	25	15	7.5	18	10	5

#### **DIMENSIONS**



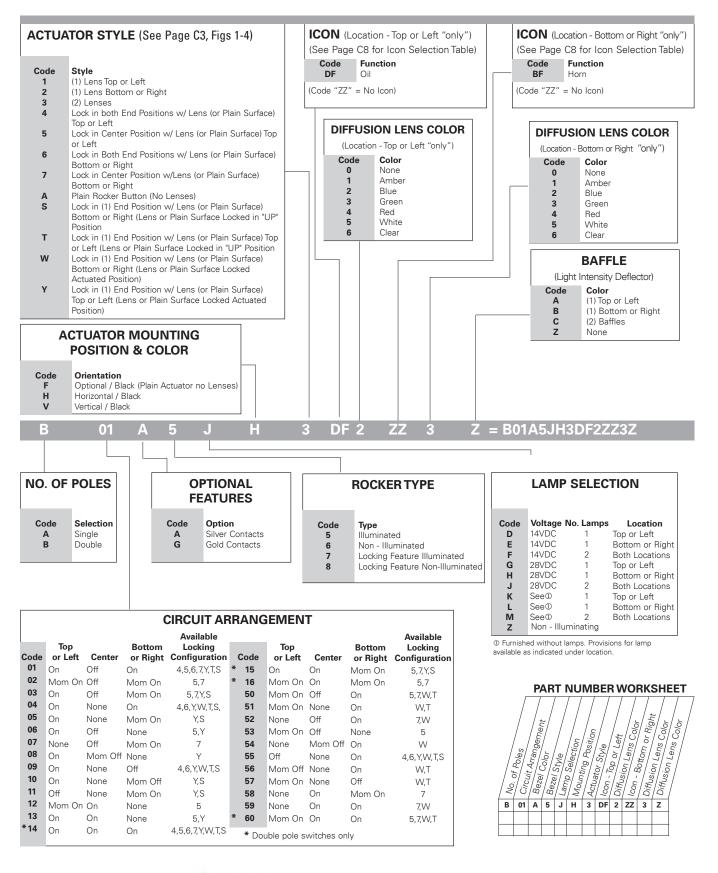
W/O Panel Seal

Note: For recommended panel cutout dimensions, see page C7.



Horizontal Mount Vertical Mount Locking Actuator Styles 4, 5, Y, & T Locking Actuator Styles 6, 7, W, & S

## "ILLUMINATER™ " SERIES PART NUMBERING SYSTEM



# "ILLUMINATER™ " SERIES INDICATOR AND ACCESSORIES

#### DESCRIPTION

Along with this new line of illuminated rocker switches, we also offer a line of accessories. General styling and appearance match those of the basic switch, with design features as stated.

## **DESIGN FEATURES**

#### Indicator

- Front panel mounted
- Keyed assembly
  - indicator lens assembly to bezel
  - connector to bezel superstructure
- Removable indicator lens assembly
- One or two lamp capability
- Full size clear lens with non-glare surface
- Icons located beneath lens surface
- Diffusion lens alters icon background lighting
- Matte black textured finish on indicator assembly
- Molded-in terminal identification
- Molded-in orientation mark

## **SPECIFICATIONS / MATERIALS**

- $\bullet$  Temperature range: -40°F to +160°F (-40°C to +71°C)
- Flame retardant thermoplastic bezel and base
- Stainless steel mounting clips



#### OTHER ACCESSORIES

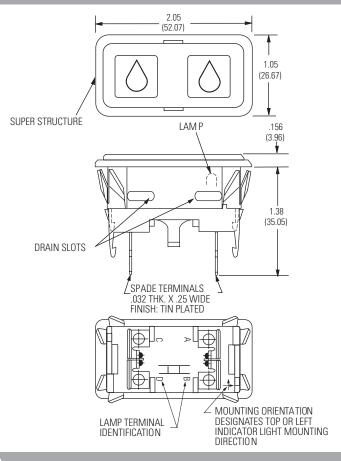
• Connector (see page C7)

## **FILLER PLUG**

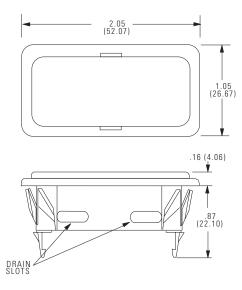
- Front panel mounted
- Accepts connector/harness assembly
- Matte black textured finish

# "ILLUMINATER™ " SERIES INDICATOR AND ACCESSORIES ENGINEERING DATA

## INDICATOR



## FILLER PLUG - P/N P24010

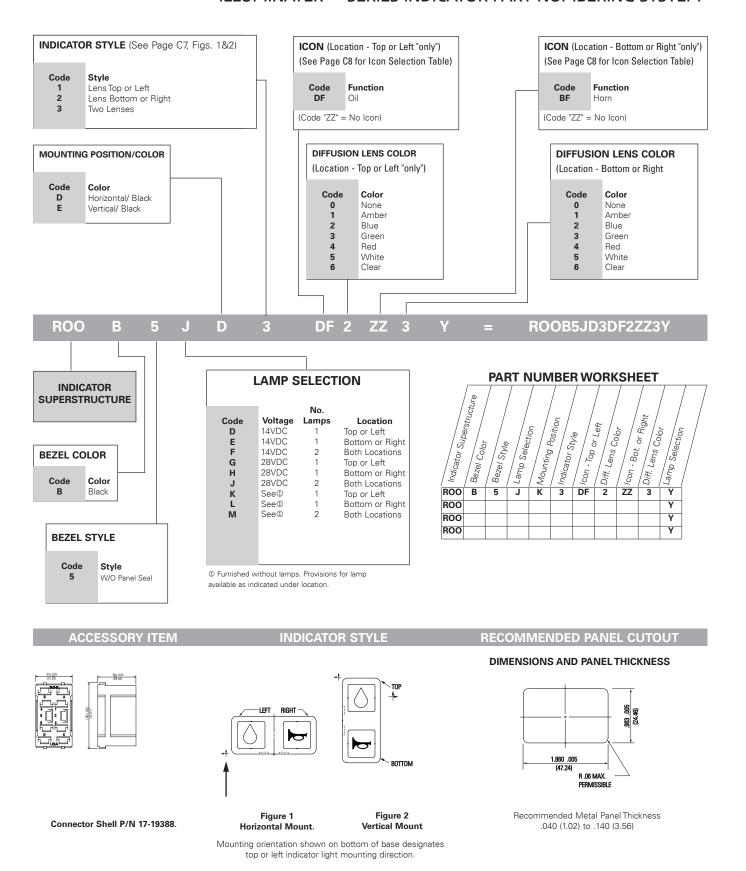


Note: For recommended panel cutout dimensions, see page C7.

SAFRAN ELECTRICAL & POWER



## "ILLUMINATER™ " SERIES INDICATOR PART NUMBERING SYSTEM





# "ILLUMINATER™ " SERIES ICON SELECTION TABLE

Code		Description	SAE Spec. No. J1632
-DF		Oil	1056
-CW		Level Indicator	0159
-DG	L " ]	Temperature	0034
-DA	[ <b>]</b>	On/Start	5007
-DB		Off/Stop	5008
-BF	<b>ש</b>	Horn	0244
-BT		Fast	None
-BV		Slow	None
-CN		Lock	1656
-CR		Unlock	None
-DH	_ <b></b>	Rearward Moving Machine Alarm	None
-DJ		Rearward Moving Machine Alarm-CANCEL	None
-BU		Engine-Basic Symbol	1156
-CK		Engine-Electrical Preheat (Low Temperature Start Aid)	1704
-AJ		Engine-Gas Injection (Low Temperature Start Aid)	1547
-BZ		Transmission-Basic Symbol	1166
-BL		Fuel or Fuel System Basic Symbol	0245

Code		Description	SAE Spec. No. J1632
-AX		Headlights - High/Upper Beam	0082
-AY		Headlights - Low/Dipped Beam	0083
-AZ		Work Light	1204
-DK	P\(\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Parking Lights	0240
-CJ		Hazard Warning Lights	0085
-BB	[ <del>***</del> ]	Interior Dome Light	1421
-BC		Beacon	1141
-DL	<b>\$</b>	Turn Signals	0084
-DM	[ <b>\$</b> 0]	Front Fog Lights	0633
-CE	[ <b>4</b> ]	Rear Fog Lights	0634
-BA		Instrument Illumination	1556
-BG		Windshield-Wiper	0086
-BH		Windshield Washer	0088
-CU		Windshield - Washer & Wiper	0087
-BJ		Rear Window - Wiper	0097
-BK		Rear Window - Washer	0099
-DN		Rear Window - Washer & Wiper	0098
-AA	<u>[}}}</u> ]	Heater/Interior Heating	0637
-BE		Air Conditioning/Cooling System	0027
-BD	[86]	Ventilating/Air Circulating Fan	0089

Typical icons illustrated are per SAE Pub No.s: J-107, J-1048, and J-1449. Additional icons are available upon request. **Note: If no icon is required, enter code "ZZ"**.



