## "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 SPECIFICATIONS

- 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
- Watertight per MIL-STD-108E
- Temperature range: $-40^{\circ} \mathrm{F}$ to $+160^{\circ} \mathrm{F}\left(-40^{\circ} \mathrm{C}\right.$ to $\left.+71^{\circ} \mathrm{C}\right)$
- 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

## OPTIONS

- Indicator light assembly (see page C7)
- Filler plug (see page C6)
- Connector (see page C7)
- Gang mounting system
- Non-illuminated switch
- Gold plated contacts


## "ILLUMINATER"' " SERIES ENGINEERING DATA

| Type of Operation | SINGLE POLE ELECTRICAL RATINGS |  |  |  |  |  | DOUBLE POLE ELECTRICAL RATINGS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 \& 14VDC |  |  | 28VDC |  |  | Type of Operation | 6\&14VDC |  |  | 28VDC |  |  |
|  | Resistive Load | Inductive Load | $\begin{aligned} & \text { Lamp } \\ & \text { Load } \end{aligned}$ | Resistive Load | Inductive Load | Lamp Load |  | Resistive Load | Inductive Load | Lamp Load | Resistive Load | Inductive <br> 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 |



## W/O Panel Seal

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


## "ILLUMINATER"' " SERIES PART NUMBERING SYSTEM



## 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 <br> SPECIFICATIONS / MATERIALS

## Indicator $\quad$ Temperature range: $-40^{\circ} \mathrm{F}$ to $+160^{\circ} \mathrm{F}\left(-40^{\circ} \mathrm{C}\right.$ to $\left.+71^{\circ} \mathrm{C}\right)$

- Front panel mounted
- Flame retardant thermoplastic bezel and base
- Keyed assembly
- Stainless steel mounting clips
- 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



## OTHER ACCESSORIES

- Connector (see page C7)


## FILLER PLUG

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


## INDICATOR



## FILLER PLUG - P/N P24010



## "ILLUMINATER"" " SERIES INDICATOR PART NUMBERING SYSTEM



## ＂ILLUMINATER＂＂SERIES ICON SELECTION TABLE

| Code |  | Description | SAE Spec． No．J1632 | Code |  | Description | SAE Spec． <br> No．J1632 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| －DF |  | Oil | 1056 | －AX |  | Headlights－High／Upper Beam | 0082 |
| －CW |  | Level Indicator | 0159 | －AY | $\left[{ }^{〔}\right]$ | Headlights－Low／Dipped Beam | 0083 |
|  |  |  |  | －AZ |  | Work Light | 1204 |
| －DG |  | Temperature | 0034 |  |  |  |  |
|  |  |  |  | －DK | $P \equiv$ | Parking Lights | 0240 |
| －DA | $\begin{array}{l\|l} \hline\ulcorner & \urcorner \\ \hline & \\ \hline \end{array}$ | On／Start | 5007 |  |  |  |  |
|  |  |  |  | －CJ |  | Hazard Warning Lights | 0085 |
| －DB |  | Off／Stop | 5008 | －BB |  | Interior Dome Light | 1421 |
| －BF | ${ }_{2}^{7}$ | Horn | 0244 | －BC | " | Beacon | 1141 |
| －BT |  | Fast | None | －DL | $\rangle$ | Turn Signals | 0084 |
|  |  |  | None | －DM | ${ }_{i}^{〔} \frac{x}{x} 0^{\top}$ | Front Fog Lights | 0633 |
| －BV | $\text { L } \quad \perp$ | Slow |  | －CE | 「立 | Rear Fog Lights | 0634 |
| －CN |  | Lock | 1656 | －BA |  | Instrument Illumination | 1556 |
| －CR |  | Unlock | None | －BG |  | Windshield－Wiper | 0086 |
| －DH | $(\mathrm{Q}))^{7}$ | Rearward Moving Machine Alarm | None | －BH |  | Windshield Washer | 0088 |
| －DJ | $\frac{\llcorner }{\square}(x) 7$ | Rearward Moving <br> Machine Alarm－CANCEL | None | －CU | $\underset{\sim}{n}$ | Windshield－Washer \＆ Wiper | 0087 |
|  |  |  |  | －BJ | $4$ | Rear Window－Wiper | 0097 |
| －BU |  | Engine－Basic Symbol | 1156 | －BK |  | Rear Window－Washer | 0099 |
| －CK |  | Engine－Electrical <br> Preheat（Low Temperature <br> Start Aid） | 1704 | －DN |  | $\begin{aligned} & \text { Rear Window - Washer \& } \\ & \text { Wiper } \end{aligned}$ | 0098 |
| －AJ |  | Engine－Gas Injection （Low Temperature Start Aid） | 1547 | －AA | $3\}$ | Heater／Interior Heating | 0637 |
| －BZ |  | Transmission－Basic Symbol | 1166 | －BE |  | Air Conditioning／Cooling System | 0027 |
| －BL | $\square^{\circ}$ | Fuel or Fuel System Basic Symbol | 0245 | －BD | $89$ | 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＂．

C8 SAFRAN ELECTRICAL \＆POWER

