Carling Technologies’ sealed V-Series Contura switches are well known for their cutting edge design, high quality, maximum performance and unmatched reliability. These switches are a staple in the marine and transportation industries and have passed a range of environmental, corrosion, temperature, vibration, shock and sealing tests including MIL Std 202F, MIL Std 510.1, UL 1500, ISO 8846, IEC 60529 and BS 5490 among others, making them one of the most rugged and reliable switches ever manufactured.

Product Highlights:
- Certified to IP66/68 with dual seals around lamps and rocker stem.
- Silver plated butt contact mechanism provides reliability up to and beyond 100K electrical cycles.
- Greaseless construction withstands temperature extremes down to -40°C.
- The switch accommodates up to 10 terminals and endless illumination and circuit options.
- The switch connector allows the user to preload FQC terminals for ease of assembly.
- Numerous choices of removable rockers allow for style change without having to retest or re-qualify the switch base.

Typical Applications:
- Marine Panels
- Emergency Vehicles
- Trucks
- Buses
- Construction Equipment
- Motorcycles & ATVs
- Farm Equipment
- Commercial Appliances
- Military Vehicles
- Mining Equipment
- Golf Carts
- Floor Cleaning Equipment
- Utility Vehicles

Resources:
- Download 3D CAD Files
- IGS > STP>
- Watch Product Video

Carling Technologies
V-Series Switch

DESIGN FEATURES

INTERCHANGEABLE ACTUATORS
Panel redesign is a snap with our wide range of rocker styles. Achieve maximum design variety with minimum inventory. Simply swap rockers to create an entirely new look for your panel.

DUAL SEAL PROTECTION
Seals out water, dust, debris, and enables switch certification to IP66/68 for front panel components.

CLEAN CONNECTIONS
Options for both eight and ten terminal base styles with AMP & Packard compatible connectors affords myriad circuit options while providing ease of assembly.

OPTIONAL PANEL SEAL
Prevents water/dust ingress behind panel.

MULTIPLE LIGHTING OPTIONS
In addition to Incandescent lamps, our LED illumination is offered in a wide array of light intensities, colors, as well as dual level, tri-color, and flashing options.

BRASS ROLLER PIN
Robust mechanism eliminates the need for lubricants. Enables switch to withstand -40°C to +85°C temperatures.

SILVER PLATED BUTT CONTACT MECHANISM
Providing 50k to 100k electrical cycles and a variety of different electrical ratings.

*Manufacturer reserves the right to change product specification without prior notice.
Contura II & III
The Contura II & III actuators are constructed of thermoplastic polycarbonate and are offered with a hard nylon overlay or a "soft-touch" elastomer overlay. These models incorporate aesthetic designs on the top and bottom of the rocker featuring two rows of raised “bumps” on the Contura II and three “indented” lines on the Contura III.

Contura IV
The Contura IV’s “Shape to create a Shape” actuator works with the curves, contours & advanced styling of the latest panel designs, flowing with these advanced curves & radii. This actuator style fits on the Contura flush bracket/bezel.

Contura V
The symmetrically curved Contura V actuator provides the perfect complement to the Contura IV’s “Shape to create a Shape” design concept. With its flush style mounting bracket, Contura V can be mounted in between two Contura IV’s, by itself, or in groups.

Contura VI (WAVE)
The Contura VI WAVE sealed rocker switches, when used in a row, create an uniquely appealing “wave” design on your panel. A variety of colors and finishes are available for both rocker and wave insert. Contura VI features bar and oval lenses.

Contura VII
Contura VII featuring gently curved corners and edges assuring compatibility with most any panel design. Intuitive feel is maximized by the use of 2 embossed circular pads located at opposite ends of the rocker. Any combination of Bar or Oval style lenses can be located in the pads providing a truly unique look, exclusive to Contura VII.

Contura X
The raised bracket/bezel on the Contura X helps prevent inadvertent actuation of the rocker, as well as preventing debris from being trapped under the actuator. This curved rocker style is available with a variety of lenses and legends.

Contura XI
The raised bracket/bezel on the Contura XI helps prevent inadvertent actuation of the rocker, as well as preventing debris from being trapped under the actuator. This convex style rocker is available with a wide variety of lenses and legends.

Contura XII
The Contura XII version features a paddle style actuator with the raised bracket/bezel of Contura X and XI. The contoured handle design provides intuitive recognition and ease of operation and is available with all Contura X and XI lens and legend offerings.

Contura XIV
The Contura XIV represents a sleek new crossover rocker design which should appeal to Trucks, Buses and Heavy Vehicles as well as the Marine Industry. Intuitive feel is provided by recessed ridges along with a Center Groove which effectively defines the boundary between top and bottom switch functions.

Illuminated Indicators & Accessories
Alert operator of systems functions or malfunctions, are offered with removable/replaceable lamps in Contura II, II, V or X styles. Accessories include connectors, mounting panels, hole plugs, panel seals, and actuator removal tools. Refer to accessories page for full details.
### Electrical

- **Contact Rating**: 0.4VA @ 24VDC (MAX) resistive
  - 15 amps, 125VAC
  - 10 amps, 250VAC
  - 1/2 HP 125-250VAC
  - 20 amps, 4-14VDC
  - 15 amps, 15-28VDC
  - 10A, 14V
  - 6A, 125VAC L
- **Dielectric Strength**: 1500 Volts RMS
- **Insulation Resistance**: 50 Megohms
- **Initial Contact Resistance**: 10 millionths max. @ 4VDC
- **Life**: 50,000 - 100,000 cycles circuit dependent
- **Contacts**: Silver alloy, silver tin-oxide, fine silver
- **Terminals**: Brass or copper/silver plate 1/4" (6.3mm) Quick Connect terminations standard. Solder lug, Wire Lead

### Mechanical

- **Endurance**: 150,000 cycles minimum circuit dependent

### Physical

- **Lighted**
  - Incandescent - rated 10,000 hours Neon - rated 25,000 hours LED - rated 100,000 hours 1/2 life (LED is internally ballasted for voltages to 24VDC)
- **Seals**: Internal
- **Base**: Optional external gasket panel seal
- **Contura II,III,IV,V, VI, VII Actuator**
  - **Hard Surface**: Basic actuator structure molded of thermoplastic polycarbonate with a hard Nylon 66 thermoplastic surface overlay.
  - **Soft Surface**: Basic actuator structure molded of thermoplastic polycarbonate with an elastomer overlay.
- **Contura X,XI,XII Actuator,VP**
  - **Nylon 66 Reinforced rated to 105°C**
  - **Lens**: Polycarbonate rated at 100°C
  - **Contura XIV**: Polycarbonate lens/sub-rocker with ABS shell

### Actuator Travel (Angular Displacement)

- **2 position**: 18°
- **3 positions**: 9° from center

### Mounting Specifications

#### Gaskets

<table>
<thead>
<tr>
<th>Panel Thickness Range</th>
<th>Acceptable Panel Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>.030 to .250 (.76 to 6.35mm)</td>
</tr>
<tr>
<td>1</td>
<td>.030 to .109 &amp; .147 to .157</td>
</tr>
<tr>
<td></td>
<td>(.76 to 2.77mm &amp; 3.73 to 3.98mm)</td>
</tr>
</tbody>
</table>

**Recommended**: No gasket with panel thickness of .032, .062, .093, .125, .187 or .250

---

### Agency Certifications

#### Environmental

- **Sealing**: Sealed version: IP66/68, this rating applies to front panel components of the actual switch only, and signifies complete protection against dust as well as powerful jets of water.
- **Corrosion**: Mixed Flowing Gas (MFG) Class III 3 year accelerated exposure per ASTM B-827, B-845 Silver and gold contacts
- **Operating Temp.**
  - **Vibration 1**: -40°C to +85°C
  - **Vibration 2**: Per Mil-Std 202F, Method 204D
  - **Shock**: Per Mil-Std 202F, Method 213B, Test Condition K @ 30G’s. Tested with VCH connector.
  - **Salt Spray**: Per Mil-Std 202F, Method 101D, Test Condition A, 96 Hrs. Sealed version only.
  - **Dust**: Mil STD 810, Method 510.2 Air Velocity 300 Ft/Min Duration 16Hr
  - **Thermal Shock**: Per Mil-Std 202F, Method 107F, Test Cond. A, -55°C to +85°C. Test criteria - pre and post test contact resistance.
  - **Moisture Resistance**: Per Mil-Std 202F, Method 106F, Test Criteria - pre and post test contact resistance.
  - **Ignition Protection**: All Contura switches with sealed construction meet the requirements of UL1500/ISO8846 for ignition protection, in addition to conformance with EC directive 94/25/EC for marine products.

#### Electrical Agency Certifications

- **Environmental Agency**:
- **Mechanical Agency**:

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**Contact Information**

Email: sales@carlingtech.com  Application Support: team2@carlingtech.com
Phone: (860) 793–9281  Fax: (860) 793–9231  www.carlingtech.com
**V Series**

### 2 Circuit
Terminal Connections as viewed - momentary from bottom of switch:
- **SP**: single pole - uses terminals 1, 2 & 3.
- **DP**: double pole - uses terminals 1, 2, 3, 4, 5 & 6.

#### 8 Terminal 10 terminal
- 1 - 4
- 2 - 5
- 3 - 6
- 4 - 7
- 5 - 6
- 7 - 8
- 8 - 9
- 9 - 10

Position:
- **1**: A & B connected
- **2**: C & D connected
- **3**: E & F connected
- **4**: G & H connected
- **5**: I & J connected
- **6**: K & L connected
- **7**: M & N connected
- **8**: O & P connected
- **9**: Q & R connected
- **10**: S & T connected

**Special Circuits**
- **H**
- **G**
- **S**
- **R**
- **E**

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4. External jumper between terminals 2 & 4 for circuit E is provided by the customer. Circuit E may be used for SP OFF-ON circuit.*

### 3 Rating
1. **4VA @ 28VDC Resistive**
2. **15A @ 24V**
3. **20A @ 18V**
4. **20A @ 14V**
5. **3A @ 28V**
6. **3A @ 24V**
7. **3A @ 14V**
8. **12V**
9. **7V**
10. **4V**

### 4 Termination / Base Style
- **8 Term / 10 Term**: Connection terminal
- **Jumper**: Connection mode

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
<td><strong>C</strong></td>
<td><strong>D</strong></td>
<td><strong>E</strong></td>
<td><strong>F</strong></td>
<td><strong>G</strong></td>
<td><strong>H</strong></td>
<td><strong>I</strong></td>
</tr>
<tr>
<td><strong>J</strong></td>
<td><strong>K</strong></td>
<td><strong>L</strong></td>
<td><strong>M</strong></td>
<td><strong>N</strong></td>
<td><strong>O</strong></td>
<td><strong>P</strong></td>
<td><strong>Q</strong></td>
<td><strong>R</strong></td>
</tr>
<tr>
<td><strong>S</strong></td>
<td><strong>T</strong></td>
<td><strong>U</strong></td>
<td><strong>V</strong></td>
<td><strong>W</strong></td>
<td><strong>X</strong></td>
<td><strong>Y</strong></td>
<td><strong>Z</strong></td>
<td><strong>AA</strong></td>
</tr>
</tbody>
</table>

### 5 Illumination
Lamp #1 above terminals 1 & 4 of end switch; Lamp #2 above terminals 3 & 6 of end switch. Positive (+) and negative (-) symbols apply to LED lamps only.

<table>
<thead>
<tr>
<th>Lamp Wired to Terminals</th>
<th>Sealed</th>
<th>Unsealed</th>
<th>Lamp Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8 (+) 7 (-)</strong></td>
<td><strong>6 (+) 5 (-)</strong></td>
<td><strong>4 (+) 3 (-)</strong></td>
<td><strong>2 (+) 1 (-)</strong></td>
</tr>
</tbody>
</table>

### 6.7 Lamp (Same Coding for Both Selections)
Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6

**No Lamp**
- **1**: 125VAC
- **2**: 250VAC

**Incandescent**
- **1**: 3V
- **2**: 6V
- **3**: 12V
- **4**: 18V
- **5**: 24V

**LED**
- **1**: Red
- **2**: Amber
- **3**: Green
- **4**: Blue

*Consult factory for "daylight bright" LED options. Typical current draw for LED is 20mA.*

### 8 Flush Bracket Color 1, Panel Seal
- **Black**: 1
- **White**: 2
- **Gray**: 3

### 9 Actuator
- **0**: No Actuator
- **1**: A Contura II
- **2**: D Contura III

**Actuator orientation above terminals:**
- **1**: 3.6
- **2**: 1.4

### 10 Lens
- **0**: No Lens
- **1**: Clear White
- **2**: Amber
- **3**: Green
- **4**: Red
- **5**: Blue

**Lens orientation:**
- **1**: ON
- **2**: OFF
- **3**: (ON)
- **4**: (OFF)

**Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.**

### 11 Actuator Color 1 and Texture
- **0**: No Actuator
- **1**: Black
- **2**: Gray
- **3**: Red
- **4**: White

**Hard Surface / Soft Surface:**
- **1**: B
- **2**: G
- **3**: R
- **4**: W

**Legend:**
- **1**: C
- **2**: H
- **3**: S
- **4**: Y

**Orientation:**
- **1**: C, D
- **2**: A, B
- **3**: No Actuator
- **4**: Orientation 2
- **5**: Orientation 1

### 12 Actuator Lenses or Body Legends
- **1**: ON
- **2**: OFF
- **3**: 12V
- **4**: 14V

**Legend color:**
- **1**: Red
- **2**: Black
- **3**: White
- **4**: Gray

**Legend orientation:**
- **1**: C
- **2**: D
- **3**: S
- **4**: H

### 13 Legend Orientation
- **0**: No Legend
- **1**: Orientation 1
- **2**: Orientation 2
- **3**: Orientation 3
- **4**: Orientation 4

**Legend options & codes:**
- **1**: Orientation 1
- **2**: Orientation 2
- **3**: Orientation 3
- **4**: Orientation 4

### 14 Actuator Lens Legend
- **0**: No leged this location / no actuator
- **1**: Custom colors are available. Consult factory.
- **2**: Body legends not available on Soft surface actuators; White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators.
- **3**: Additional ratings available. See V-Series Switch Accessories page.
- **4**: Contura II available with two square lenses. Consult factory for details.
**V Series Contura Sealed Rocker Switches - Contura II & III Locking - Ordering Scheme**

### 1. Series
- **V**

### 2. Circuit
- **Terminal Connections as viewed ( ) - momentary**
- **8 terminal 10 terminal**
  - DP - single pole uses terminals 1, 2, 3, 4, 5 & 6.
  - 2 & 3, 5 & 6 - 2 & 3
  - 2 & 3, 5 & 6

### 3. Rating
- **1** .4VA @ 28VDC Resistive
- **A** 15A 24V
- **B** 20A 18V
- **C** 20A 12V
- **E** 20A 14V, 10A 14VT (circuit 1, 4, A & D only)
- **F** 10A 14V, 6A 14VT (circuit G only)
- **M** .4VA/20A 12V
- **N** .4VA/15A 24V

### 4. Termination / Base Style
- **S** .250 TAB (QC) with barriers
- **E** .250 TAB (QC)
- **B** .250 TAB (QC) without barriers
- **K** .250 TAB (QC) without barriers
- **J** .250 TAB (QC) with barriers
- **C** .250 TAB (QC) with barriers
- **F** Wire Leads
- **G** Wire Leads no barriers

### 5. Illumination & Switch Sealing
- **S** Sealed
- **U** Unsealed
- **L** Lamp
- **H** Illumination Type
- **D** Lamp wired to Terminals
  - **3** (7 -)

### 7. Lamp
- **Lamp above terminals 3 & 6 end of switch**
- **Neon** 12V A 2, 3, 5 & 6
- **LED** .4VA @ 28VDC Resistive
- **2VDC** A L F R
- **6VDC** B M G S
- **12VDC** C N H T
- **24VDC** D P J V

### 8. Flush Bracket Color 1, Panel Seal
- **Bracket** Color
- **Panel** Seal
- **One Seal** C Y H

### 9. Hard Surface Actuator 1
- **Actuator orientation above terminals:**
- **Contura II** A B G H
- **Contura III** C D E F

### 10. Lens
- **Z** - No Lens
- **Clear White** Amber Green Red Blue
- **Lens** Color for LEDs must be clear, white, or match color of LED.
- **Lens Color** for LEDs are recommended with Neon lamps.

### 12. Actuator Lens or Body Legend 2
- **Match Actuator**
- **Match Lens**
- **Actuator orientation below terminals:**
- **For additional legend options & codes, visit us at www.carlingtech.com.**

### 13. Legend Orientation
- **Legend**
- **Orientation**

**Notes:**
1. Consult factory to verify horsepower rating for your particular circuit choice.
2. Custom colors are available. Consult factory.
3. White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators. Custom colors are available, consult factory.
4. Only available with 3 position circuits. Center OFF and special circuits only available with center position lock function.
5. Additional ratings available. See V-Series Switch Accessories page.

---

**Contact Information:**
- **Email:** sales@carlingtech.com
- **Application Support:** team2@carlingtech.com
- **Phone:** (860) 793–9281
- **Fax:** (860) 793–9231
- **Website:** www.carlingtech.com
### V- Series Contura Sealed Rocker Switches - Contura IV - Ordering Scheme

#### 1 SERIES

<table>
<thead>
<tr>
<th>Circuit</th>
<th>Rating</th>
<th>Termination</th>
<th>Illumination</th>
<th>Lamp</th>
<th>Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

#### 2 CIRCUIT

Terminal Connections as viewed from bottom of switch:
- SP - single pole uses terminals 1, 2 & 3.
- DP - double pole uses terminals 1, 2, 3, 4, 5 & 6.

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Connections</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ON</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>ON</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>ON OFF (OFF)</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>ON</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>ON</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>ON</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>ON OFF (OFF)</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>ON</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>ON</td>
<td>9</td>
</tr>
</tbody>
</table>

#### 3 RATING

- 4VA @ 28VDC Resistive
- 15A 24VDC
- 20A 24VDC
- 20A 14VDC
- 10A 14VT
- 10A 14VT (circuit 4, A & D only)
- 15A 24VDC
- 4VA/10A 14VT (circuit G only)
- 4VA/20A 12V
- 4VA/15A 24V

#### 4 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>Term</th>
<th>10 Term</th>
<th>Jumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250TAB OR QC no barriers</td>
<td>No</td>
</tr>
<tr>
<td>2</td>
<td>250TAB OR QC no barriers</td>
<td>No</td>
</tr>
<tr>
<td>3</td>
<td>250TAB OR QC no barriers</td>
<td>Yes T2 to 5</td>
</tr>
<tr>
<td>4</td>
<td>250TAB OR QC no barriers</td>
<td>No</td>
</tr>
<tr>
<td>5</td>
<td>250TAB OR QC no barriers</td>
<td>No</td>
</tr>
<tr>
<td>6</td>
<td>Wire Leads no barriers</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>Wire Leads no barriers</td>
<td>No</td>
</tr>
</tbody>
</table>

#### 5 ILLUMINATION & SWITCH SEALING

<table>
<thead>
<tr>
<th>Lamp 1 &amp; 4 end of switch</th>
<th>Lamp 2 &amp; 3 end of switch</th>
<th>Lamp 3 &amp; 6 end of switch</th>
<th>Lamp 7 &amp; 8 end of switch</th>
<th>Lamp wired to terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>G</td>
<td>H</td>
<td>I</td>
<td>J</td>
<td>K</td>
</tr>
<tr>
<td>L</td>
<td>M</td>
<td>N</td>
<td>O</td>
<td>P</td>
</tr>
</tbody>
</table>

#### 6.7 LAMP (SAME CODING FOR BOTH SELECTIONS)

- Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6
- No lamp: 0
- Neon: 1
- Incandescent: 2
- LED: 3
- 10V: 4
- 12V: 5
- 18V: 6
- 24V: 7

#### 8 FLUSH BRACKET COLOR 1, PANEL SEAL

- No Seal: B
- White: W
- Gray: G

#### 9 ACTUATOR

- No Actuator: 0
- Contura IV, left orientation: E
- Contura IV, right orientation: F
- Contura IV, left orientation, laser etched: R
- Contura IV, right orientation, laser etched: S

#### 10 LENS

- Clear White: C
- Amber: A
- Green: G
- Red: R
- Blue: B

#### 11 ACTUATOR COLOR 1,5,6

- No Actuator: 0
- Black: B
- Nickel: N
- Pewter: P

#### 12 ACTUATOR LENS OR BODY LEGENDS

- No legend (used with codes 11-18 in selection 12): 0
- Orientation 1: 1
- Orientation 2: 2
- Orientation 3: 3
- Orientation 4: 4

#### 13 LEGEND ORIENTATION

- No legend: 0
- Orientation 1: 1
- Orientation 2: 2
- Orientation 3: 3
- Orientation 4: 4

#### 14 ACTUATOR LENS LEGEND

- No legend: 0
- Used with codes 11-18 in selection 12: 1

**Notes:**
- Consult factory to verify horsepower rating for your particular circuit choice.
- Custom colors are available.
- Additional ratings available. See V-Series Switch Accessories page.
- Laser etched rocker only available with lens code Z.
- Pewter and nickel colors only available with laser etched actuator.

**Contact Information:**
- Email: sales@carlingtech.com
- Application Support: team2@carlingtech.com
- Phone: (860) 793–9281
- Fax: (860) 793–9231
- www.carlingtech.com
### 8.7 LAMP (SAME CODING FOR BOTH SELECTIONS)

<table>
<thead>
<tr>
<th>Circuit</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No Lamps</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>-</td>
<td></td>
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<td>5</td>
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<td>-</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

### 8 FLUSH BRACKET COLOR 1, PANEL SEAL

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>B</td>
<td>W</td>
</tr>
<tr>
<td>White</td>
<td>W</td>
<td>G</td>
</tr>
<tr>
<td>Gray</td>
<td>G</td>
<td>H</td>
</tr>
</tbody>
</table>

### 9 ACTUATOR COLOR 1,3,5

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Actuator</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Contura V</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### 11 ACTUATOR LENS LEGEND

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Actuator</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Nickel</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td>Pewter</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>Red</td>
<td>S</td>
<td></td>
</tr>
</tbody>
</table>

### 12 ACTUATOR LENS OR BODY LEGENDS 2,6

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### 13 LEGEND ORIENTATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Legend</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Orientation 1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Orientation 2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Orientation 3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Orientation 4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### 14 ACTUATOR LENS LEGEND

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Legend</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>(used with codes 11-18 in selection 12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orientation 1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Orientation 2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Orientation 3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Orientation 4</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
- Consult factory to verify horsepower rating for your particular circuit choice.
- Custom colors are available. Consult factory.
- White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators. Custom colors are available, consult factory.
- Laser etched rocker only available with lens code 2 & actuator colors black, nickel or pewter.
- Additional ratings available. See V-Series Switch Accessories page.
- Nickel and Pewter colors only available with laser etched actuator.
- Consult factory for laser etched lens callout.
V Series

1 SERIES

V

2 CIRCUIT

Terminal Connections as viewed ( ) - momentary from bottom of switch: SP - single pole - uses terminals 1, 2 & 3.
8 terminal 10 terminal DP - double pole uses terminals 1, 2, 3, 4, 5 & 6.

Position: SP DP
1 A 2 B 3 C 4 D 5 E 6 F 7 G 8 H
10 - 9

3 RATING

4VA @ 28VDC Resistive
B 15A 24V
C 20A 18V
D 25A 12V
E 20A 14V, 10A 14VT (circuit 1, 4 & A & D only)
F 10A 14V, 6A 14VT (circuit G only)
M .4VA/20A 12V
N .4VA/15A 24V

4 TERMINATION / BASE STYLE

Term: 10 Term: 2 & 3 & 5 & 6

1 Jumper: Connected Terminals 1 & 2, 4 & 5
2 ON
3 ON
4 ON
5 ON
6 ON
7 OFF none
8 OFF none
9 OFF none

Note: Codes J & K for circuits H, G & M.

5 ILLUMINATION & SWITCH SEALING

Sealed Unsealed Lamps Illumination Type Lamp wired to Terminals
S C H Z
0 3 None
1 2 Up
4 8 Double pole switches only
M R 1 Up

6 LOCK

Lock above terminals 1 & 4 end of switch:
W low profile lock
Y 6 high profile lock

7 LAMP

Lamp above terminals 3 & 6 end of switch:
No lamp
0
2 Brightness
1 125VAC
2 250VAC
3 6V
4 12V
5 18V
6 24V
7 Superbright
8 Red
9 Green

2VDC

A L R F
B M G S
C N H T
D P J V

12VDC	24VDC

- Consult factory for “daylight bright” LED options. Typical current draw for LED is 20mA.

8 FLUSH BRACKET COLOR 1, PANEL SEAL

No Seal B W G
One Seal C Y H

9 HARD SURFACE ACTUATOR

CONTURA IV:
Orientation Black Gray Red White
Left K L M
Right N P R S

CONTURA V:
Orientation Black Gray Red White
U V W Y

10 LENS

Z - No Lens
Clear White Amber Green Red Blue
A B C D E F
G H J K L M

Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.

11 ACTUATOR LOCK FUNCTION AND COLOR

Match Actuator A H R 1
Black B J 5 2
White C K T 3
Red D L 4
Safety Orange E M W 5
Gray F G N 6

12 ACTUATOR LENS OR BODY LEGEND

00 - No Legend
21 22 23 24
25 O 26 O 27 O 28 I
OFF ON R N

For additional legend options & codes, visit us at www.carlingtech.com.

13 LEGEND ORIENTATION

0 No legend
1 Orientation 1
2 Orientation 2
3 Orientation 3
4 Orientation 4

2 431

For additional legend options & codes, visit us at www.carlingtech.com.

Email: sales@carlingtech.com   Application Support: team2@carlingtech.com
Phone: (860) 793–9281     Fax: (860) 793–9231 www.carlingtech.com
### 1 SERIES

- **V**

### 2 CIRCUIT

Terminal Connections as viewed from bottom of switch:

- **SP** - single pole - uses terminals 1, 2, & 3.
- **DP** - double pole uses terminals 1, 2, 3, 4, 5 & 6.

#### 8 terminal 10 terminal

<table>
<thead>
<tr>
<th>Position</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 14.*

### 3 RATING

<table>
<thead>
<tr>
<th>Series</th>
<th>1</th>
<th>4VA @ 28VDC Resistive</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>15A 24V</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>20A 18V</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>20A 12V</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>20A 14V, 10A 14VT (circuit 1, 4, A &amp; D only)</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>10A 14V, 6A 14VT (circuit G only)</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>.4VA/20A 12V</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>.4VA/15A 24V</td>
<td></td>
</tr>
</tbody>
</table>

### 4 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>9 terminal 10 terminal</th>
<th>Termination Type</th>
<th>Jumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250 TAB (QC)</td>
<td>no barriers</td>
</tr>
<tr>
<td>A</td>
<td>250 TAB (QC) with barriers</td>
<td>No</td>
</tr>
<tr>
<td>J</td>
<td>250 TAB (QC) no barriers</td>
<td>Yes T2 to 5</td>
</tr>
<tr>
<td>K</td>
<td>250 TAB (QC) No barriers</td>
<td>No</td>
</tr>
<tr>
<td>C</td>
<td>Solder Lug no barriers</td>
<td>No</td>
</tr>
<tr>
<td>L</td>
<td>Wire Leads no barriers</td>
<td>No</td>
</tr>
<tr>
<td>E</td>
<td>Wire Leads</td>
<td>No</td>
</tr>
</tbody>
</table>

*Note: Codes J & K for circuits H, G & M.*

### 5 ILLUMINATION & SWITCH SEALING

#### Lamp #1 above terminals 1 & 4 end of switch

- **Sealed**
  - **Unsealed**
  - **Lamp**
  - **Lamp w**ired to Terminals
  - **Lamp**

#### Lamp #2 above terminals 3 & 6 end of switch

- **Positive (+)** and negative (-) symbols apply to LED lamps only

### 6,7 LAMP

- **Lamp above terminals 3 & 6 end of switch**
  - **No lamp**
  - **Neon**
  - **Indicandescent**
  - **Incandescent**
  - **LED**
  - **LED**

*Consult factory for “daylight bright” LED options. Typical current draw for LED is 20mA.*

### 8 FLUSH BRACKET COLOR 1 PANEL SEAL

<table>
<thead>
<tr>
<th>Bracket</th>
<th>No Seal</th>
<th>One Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>L</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>O</td>
<td>N</td>
<td>L</td>
</tr>
<tr>
<td>N</td>
<td>I</td>
<td>L</td>
</tr>
</tbody>
</table>

### 9 ACTUATOR

<table>
<thead>
<tr>
<th>No Actuator</th>
<th>High</th>
<th>Low</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 10,11 LENS

- **0 - No Actuator**
- **Z - No Lens**
- **Clear White**
- **Amber Green**
- **Red**
- **Blue**

### 12 ACTUATOR COLOR

- **Black**
- **Bright Chrome Plated**
- **Satin Chrome Plated**
- **Black Nickel Plated**
- **Satin Nickel Plated**
- **White**

### 13 INSERT COLOR

<table>
<thead>
<tr>
<th>Insert</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>N</td>
</tr>
<tr>
<td>11</td>
<td>Black</td>
</tr>
<tr>
<td>12</td>
<td>Bright Chrome Plated</td>
</tr>
<tr>
<td>13</td>
<td>T</td>
</tr>
</tbody>
</table>

### 14 ACTUATOR LENS OR BODY LEGENDS

#### 00 - No Legend this location / no actuator

<table>
<thead>
<tr>
<th>ON</th>
<th>12 Off</th>
<th>ON</th>
<th>14 Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>O</td>
<td>ON</td>
<td>O</td>
</tr>
<tr>
<td>15</td>
<td>O</td>
<td>16</td>
<td>O</td>
</tr>
<tr>
<td>17</td>
<td>OI</td>
<td>18</td>
<td>I</td>
</tr>
<tr>
<td>F</td>
<td>N</td>
<td>N</td>
<td>F</td>
</tr>
<tr>
<td>C</td>
<td>O</td>
<td>O</td>
<td>I</td>
</tr>
</tbody>
</table>

*For additional legend options & codes, visit us at www.carlingtech.com.*

### 15 LEGEND ORIENTATION

<table>
<thead>
<tr>
<th>Orientation</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

### 16 ACTUATOR LENS LEGEND

#### 00 - No Legend this location / no actuator

| (used with codes 11-18 in selection 12) |
| Orientation 1 |
| Orientation 2 |
| Orientation 3 |
| Orientation 4 |

*Notes:

1. Consult factory to verify horsepower rating for your particular circuit choice.
2. Custom colors are available. Consult factory.
3. Additional ratings available. See V-Series Switch Accessories page.*
1 SERIES

V

2 CIRCUIT

Terminal Connections as viewed from bottom of switch: SP - single pole - uses terminals 1, 2 & 3.

8 terminal 10 terminal
8 -7 8 -7
1 -4 1 -4
2 -5 2 -5
3 -6 3 -6
10 -9 10 -9

Position: SP DP 2 & 3, 5 & 6 Connected Terminals
1 A ON OFF OFF
2 B OFF OFF OFF
3 C OFF OFF OFF
4 D OFF OFF OFF
5 F OFF OFF OFF
6 J OFF OFF OFF
7 K OFF OFF OFF
8 L OFF OFF OFF
9 M OFF OFF OFF

SPECIAL CIRCUITS
H* 2 & 3, 5 & 6
G* 2 & 3, 5 & 6
M* (2 & 3, 5 & 6)
R* (2 & 3, 5 & 6)
E* 5 & 6

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4. Externally jumper between terminals 2 & 4 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON circuit.

3 RATING

4 TERMINATION / BASE STYLE

Term 10 Term Termination Jumper
1 2 250 VAC AB no barriers No
2 3 250 VAC BC no barriers No
3 4 250 VAC CD no barriers No
4 5 5 no barriers No
5 6 6 no barriers No
6 7 7 no barriers No

Note: Codes J & K for circuits H, G, M & N.

4 ILLUMINATION & SWITCH SEALING

Lamp #1 above terminals 1 & 4; Lamp #2 above terminals 3 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED lamps only.

Sealed Unsealed Lamps Illumination Type Lamp wired to Terminals
A 1 1 INDEPENDENT 8 (+) 7 (-)
B 2 2 DOWN 8 (+) 7 (-)
C 3 3 UP 8 (+) 7 (-)
D 4 4 DOWN 8 (+) 7 (-)
E 5 5 UP 8 (+) 7 (-)
F 6 6 INDEPENDENT 8 (+) 7 (-)
G 7 7 INDEPENDENT 8 (+) 7 (-)
H 8 8 INDEPENDENT 8 (+) 7 (-)
I 9 9 INDEPENDENT 8 (+) 7 (-)
J 10 10 INDEPENDENT 8 (+) 7 (-)

SINGLE POLE SWITCHES ONLY
J 8 1 DOWN 3 (+) 7 (-)
K 9 1 INDEPENDENT 6 (+) 7 (-)
L 10 1 INDEPENDENT 6 (+) 7 (-)

DOUBLE POLE SWITCHES ONLY

Notes:
Consult factory to verify horsepower rating for your particular circuit choice.
1. Custom colors are available. Consult factory.
2. White imprinting is standard on black actuators. Black imprinting is standard on white, red and gray actuators. Custom colors are available, consult factory.
3. Additional ratings available. See V-Series Switch Accessories page.
4. Legends available for lighted oval lens version only.
1 SERIES

V

2 CIRCUIT

Terminal Connections as viewed from bottom of switch:
- SP - single pole - uses terminals 1, 2 & 3
- DP - double pole uses terminals 1, 2 & 3, 4 & 5 & 6 & 7 & 8 & 9 & 10 for lamp circuit only.

4 TERMINATION / BASE STYLE

8 term 10 Term ( ) - momentary
1 2 .250 TAB (QC) no barriers No
A B .250 TAB (QC) with barriers No
J K .250 TAB (QC) no barriers Yes T2 to 5
3 5 Solder Lug no barriers No
C D Solder Lug no barriers No
5 6 Wire Leads no barriers No
E F Wire Leads no barriers No
Note: Codes J & K for circuits H, G, M & R

5 ILLUMINATION & SWITCH SEALING

Lamp #1 above terminals 1, 4 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED lamps only

1 2 3 4 5 6 7 8 9 10

6.7 LAMP (same coding for both selections)

Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6
No lamp
- Neon 1 125VAC 2 250VAC
- Incandescent 4 3V 5 6V 6 12V 7 18V 8 24V
- LED Red Amber Green Red
2VDC A B F R
6VDC B M G S
12VDC C N H T
24VDC D P
*Consult factory for “daylight bright” LED. Typical current draw for LED is 20mA

8 BRACKET COLOR 1, PANEL SEAL (EXTERNAL FOAM GASKET)

X & XI with Flush Bracket X, XI, XII with Raised Bracket

9 ACTUATOR

No Actuator
- Black
- Gray
- White
- Red

10 LENS - ABOVE LAMP #1 TERMINALS 1, 4

- No Actuator Clear
- White Z - No Lens Amber Green Red Blue
- Blue Lens Style

11 LENS - ABOVE LAMP #2 TERMINALS 3, 6

0 - No Legend this location / No actuator
- Clear White Z - No Lens Amber Green Red Blue
- Lens Style

12 ACTUATOR LENS OR BODY LEGEND 2

00 - No Legend this location / No actuator
11 ON 12 OFF 13 14

13 LEGEND ORIENTATION 3

0 No legend (used with codes 11-18 in selection 12)
1 Orientation 1
2 Orientation 2
3 Orientation 3
4 Orientation 4

14 ACTUATOR LENS LEGEND 00

- No legend this location / no actuator (used with codes 11-18 in selection 12)
Selection 14 required when switch requires two legends. If the two legends consist of one lens and one body legend, both legend must be specified in selection 12; body legend specified in selection 14.
For legend options & codes, visit us at www.carlingtech.com

Notes:
- Consult factory to verify horsepower rating for your particular circuit choice.
- Custom colors are available. Consult factory.
- White imprinting is standard on black actuators; Black imprinting is standard on white, red & gray actuators. Custom colors are available, consult factory.
- With 2 square lenses, use selection 12 for lens above lamp 1, & selection 14 for lens above lamp 2.
- Additional ratings available. See V-Series Switch Accessory page.
- Not available with Contura XI rockers.
**V-Series Contura Sealed Rocker Switches - Contura X Locking - Ordering Scheme**

### 1 SERIES

<table>
<thead>
<tr>
<th>Series</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>V</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 2 CIRCUIT

**Terminal Connections as viewed** - momentary
- from bottom of switch:
  - SP - single pole - uses terminals 1, 2 & 3.
  - DP - double pole uses terminals 1, 2, 3, 4, 5 & 6.

#### 8 terminal 10 terminal

<table>
<thead>
<tr>
<th>Terminals</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-2 &amp; 3-4</td>
<td>1-4</td>
</tr>
<tr>
<td>5-6</td>
<td>5-6</td>
</tr>
<tr>
<td>1-2 &amp; 3-5</td>
<td>1-4</td>
</tr>
<tr>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>8-10</td>
<td>8-10</td>
</tr>
</tbody>
</table>

**Jumper between terminals 2 & 5 for circuits H, G, M & R**

- Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6
- No lamp
- Neon 1: 125VAC 2: 250VAC
- Incandescent: 4.3V 5.6V 6.12V 7.18V 8.24V
- LED*: Red Amber Green Red
- 2VDC A: L F 4: S B 6: C D
- 12VDC C: N H T
- 24VDC D: P J V
- Consult factory for “daylight bright” LED options. Typical current draw for LED is 20mA.

### 3 RATING

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.4VA @ 28VDC Resistive</td>
</tr>
<tr>
<td>2</td>
<td>15A 24V</td>
</tr>
<tr>
<td>3</td>
<td>20A 18V</td>
</tr>
<tr>
<td>4</td>
<td>20A 12V</td>
</tr>
<tr>
<td>5</td>
<td>10A 14V, 10A 14VT (circuit 1, 4, A &amp; D only)</td>
</tr>
<tr>
<td>6</td>
<td>6A 14VT (circuit G only)</td>
</tr>
<tr>
<td>7</td>
<td>.4VA/20A 12V</td>
</tr>
<tr>
<td>8</td>
<td>.4VA/15A 24V</td>
</tr>
</tbody>
</table>

### 4 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>Terminals</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

**Actuator orientation above terminals:**

- No Legend: Up
- Black: H
- White: J
- Red: A
- Gray: R
- Red and gray actuators: Custom colors are available, consult factory.

### 5 ILLUMINATION & SWITCH SEALING

<table>
<thead>
<tr>
<th>Sealed</th>
<th>Unsealed</th>
<th>Type</th>
<th>Lamp wired to Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>0</td>
<td>NONE</td>
<td>3 (+) 7 (-)</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>UP</td>
<td>3 (+) 6 (-)</td>
</tr>
<tr>
<td>H</td>
<td>2</td>
<td>INDEPENDENT</td>
<td>8 (+) 7 (-)</td>
</tr>
</tbody>
</table>

**DOUBLE POLE SWITCHES ONLY**

| M      | R      | 1     | UP   | 3 (+) 6 (-) |

### 6 LOCK

- Lock above terminals 1 & 4 end of switch.
- W Lock

### 8 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>Jumper</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>3 (+) 6 (-)</td>
</tr>
<tr>
<td>Wire Leads</td>
<td>No barriers</td>
</tr>
</tbody>
</table>

### 9 HARD SURFACE ACTUATOR

- Contura X: Black Gray Red White
- Lock Color: C K T
- Orientation: 1-6

### 10 LENS - ABOVE LAMP #2 TERMINALS

<table>
<thead>
<tr>
<th>Lens Style</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bar</td>
<td>3 8 D J P V</td>
</tr>
<tr>
<td>One piece Square</td>
<td>9 E K R W</td>
</tr>
<tr>
<td>Two piece Square*</td>
<td>A F L S Y</td>
</tr>
<tr>
<td>Two piece Square (with clear top protective lens)</td>
<td>2 7 C H N U</td>
</tr>
<tr>
<td>Two piece Square (with smoke top protective lens)</td>
<td>1 6 B G M T</td>
</tr>
</tbody>
</table>

* All bottom lenses are molded of opaque material. Consult factory for other lens colors. Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.

### 11 ACTUATOR LOCK FUNCTION AND COLOR

- Lock Color: Up Down Up & Down
- Match Actuator: A H R
- Black: B J S
- White: C K T
- Red: D L V
- Gray: E M W
- Safety Orange: F N Y

### 12 ACTUATOR LENS OR BODY LEGEND

For additional legend options & codes, visit us at www.carlingtech.com.

### 13 LEGEND ORIENTATION

- 0: No legend (used with codes 11-18 in selection 12)
- Orientation: 1-4

---

**Notes:**
- Consult factory to verify horsepower rating for your particular circuit choice.
- Custom colors are available. Consult factory.
- White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators; Custom colors are available, consult factory.
- Located over T1-4 end of switch.
- Additional ratings available. See V-Series Switch Accessories page.
- Located over T3-6 end of switch.
**2 CIRCUIT**

Terminal Connections as viewed from bottom of switch: SP - single pole - uses terminals 1, 2 & 3. DP - double pole uses terminals 1, 2, 3, 4, 5 & 6.

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

**R**

SPECIAL CIRCUITS

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**3 RATING**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**4 TERMINATION / BASE STYLE**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**5 ILLUMINATION**

Lamp #1 above terminals 1 & 4 end of switch; Lamp #2 above terminals 3 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED lamps only.

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**8 BRACKET COLOR & PANEL SEAL**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**10 LENS COLOR / STYLE**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**11 ACTUATOR COLOR**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**12 ACTUATOR LENS or BODY LEGEND**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**13 LEGEND ORIENTATION**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**14 ACTUATOR / LENS LEGEND**

<table>
<thead>
<tr>
<th>8 terminal</th>
<th>10 terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 -7 8 -7</td>
<td>8 -7 8 -7</td>
</tr>
<tr>
<td>1 -4 1 -4</td>
<td>1 -4 1 -4</td>
</tr>
<tr>
<td>2 -5 2 -5</td>
<td>2 -5 2 -5</td>
</tr>
<tr>
<td>3 -6 3 -6</td>
<td>3 -6 3 -6</td>
</tr>
<tr>
<td>10 -9</td>
<td>10 -9</td>
</tr>
</tbody>
</table>

Position: 1 2 3

SP DP: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5

*Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4.

External jumper between terminals 2 & 3 for circuit E are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

**Notes:**

Consult factory to verify horsepower rating for your particular circuit choice.

1. Custom colors are available. Consult factory.
2. White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators.
3. Additional ratings available. See V-Series Switch Accessories page.
### 1 SERIES

| V |

### 2 CIRCUIT

**Terminal Connections as viewed:**
- SP - single pole uses terminals 1, 2, 3, and 4.
- DP - double pole uses terminals 1, 2, 3, 4, 5, and 6.

**Terminal 10:**
- 7 – 8: Terminals 7, 8, 9, and 10 for lamp circuit only.
- 1 – 4: SP (single pole) terminals
- 2 – 5: DP (double pole) terminals
- 3 – 6: 2 & 3, 2 & 4 & 5

**Position Options:**
- SP DP: Connected Terminals 1, 1, 2, 4 & 5
- A ON: ON NONE OFF
- B (ON): NONE OFF
- C ON: OFF ON
- D ON: OFF ON
- E ON: OFF ON
- F (ON): OFF ON
- G ON: OFF OFF

### 3 RATING

<table>
<thead>
<tr>
<th>1</th>
<th>4VA @ 28VDC Resistive</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>15A 24V</td>
</tr>
<tr>
<td>C</td>
<td>20A 18V</td>
</tr>
<tr>
<td>D</td>
<td>20A 12V</td>
</tr>
<tr>
<td>E</td>
<td>20A 14V, 10A 14V (circuit 1, 4, A &amp; D only)</td>
</tr>
<tr>
<td>F</td>
<td>10A 14V, 6A 14V (circuit G only)</td>
</tr>
</tbody>
</table>

### 4 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>8 term</th>
<th>10 Term</th>
<th>Terminal Type</th>
<th>Jumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 – 2</td>
<td>250 TAB (QC) no barriers</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>B</td>
<td>.250 TAB (QC) with barriers</td>
<td>No</td>
</tr>
<tr>
<td>J</td>
<td>K</td>
<td>.250 TAB (QC) no barriers</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### 5 ILLUMINATION

Lamp #1: Above terminals 1 & 4 end of switch.
Lamp #2: Above terminals 3 & 6 end of switch.
- Positive (+) and negative (-) symbols apply to LED lamp only

<table>
<thead>
<tr>
<th>Lamps</th>
<th>Type</th>
<th>Lamp wired to Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>UP</td>
<td>3 (+) 7 (-)</td>
</tr>
<tr>
<td>H</td>
<td>INDEPENDENT</td>
<td>8 (+) 7 (-)</td>
</tr>
</tbody>
</table>

**DOUBLE POLE SWITCHES ONLY**

| M | UP | 3 (+) 6 (-) |

### 6 LOCK OPTION

| W | Low Profile Lock |

### 7 LAMP

| No lamp | 0 |
| Neon | 1 125VAC |
| 2 250VAC |
| 3 3V |
| 5 6V |
| 6 12V |
| 7 18V |
| 8 24V |
| LED | Red |
| Amber | Green |
| Red | 2VDC |
| B | A |
| L | F |
| R | 6VDC |
| B | M |
| G | S |
| 12VDC | C |
| N | H |
| T | 24VDC |
| D | P |
| J | V |

* Consult factory for “daylight bright” LED options. Typical current draw for LED is 20mA.

### 8 BRACKET COLOR & PANEL SEAL

<table>
<thead>
<tr>
<th>Color</th>
<th>No Gasket</th>
<th>1 Gasket</th>
<th>2 Gasket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>G</td>
<td>H</td>
<td>J</td>
</tr>
<tr>
<td>Gray</td>
<td>W</td>
<td>Y</td>
<td>Z</td>
</tr>
</tbody>
</table>

### 9 ACTUATOR COLOR / STYLE

| FC | Black - Standard Rocker |
| FD | Black - Laser Etched |
| FS | Red - Standard Rocker |
| FT | Red - Laser Etched |

### 10 LENS COLOR / STYLE

<table>
<thead>
<tr>
<th>Z</th>
<th>No Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>White</td>
</tr>
<tr>
<td>Amber</td>
<td>Green</td>
</tr>
<tr>
<td>Red</td>
<td>Blue</td>
</tr>
</tbody>
</table>

| 1 8 | B | M | T |
| 3 | D | J | P | V | PAD Printed |
| 5 | A | N/A | N/A | N/A | Laser-Etched |

**Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.**

### 11 ACTUATOR LOCK COLOR / FUNCTION

**LOCK IN POSITION**

<table>
<thead>
<tr>
<th>Match Color</th>
<th>UP</th>
<th>DOWN</th>
<th>DP &amp; DOWN</th>
<th>CENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>H</td>
<td>R</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>B</td>
<td>J</td>
<td>S</td>
<td>2</td>
</tr>
<tr>
<td>White</td>
<td>C</td>
<td>K</td>
<td>T</td>
<td>3</td>
</tr>
<tr>
<td>Red</td>
<td>D</td>
<td>L</td>
<td>V</td>
<td>4</td>
</tr>
<tr>
<td>Orange</td>
<td>E</td>
<td>M</td>
<td>W</td>
<td>5</td>
</tr>
<tr>
<td>Gray</td>
<td>F</td>
<td>G</td>
<td>N</td>
<td>6</td>
</tr>
</tbody>
</table>

### 12 ACTUATOR LENS or BODY LEGEND

<table>
<thead>
<tr>
<th>00</th>
<th>No Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
</tr>
</tbody>
</table>

| 25 | OFF | ON | 0 | 1 |
| 26 | O | 27 | O | 28 | 1 |

### 13 LEGEND ORIENTATION

| 0 | No legend |
| 1 | Orientation 1 |
| 2 | Orientation 2 |
| 3 | Orientation 3 |
| 4 | Orientation 4 |

Notes:
1. Consult factory to verify horsepower rating for your particular circuit choice.
2. Custom colors are available. Consult factory.
3. White imprinting is standard on black actuators; Black imprinting is standard on white, red, and gray actuators.
Dimensional Specifications: in. [mm]

### CONTURA II

**Dimensions:**
- Overall height: 2.029 [51.53]
- Terminal arrangement: 8 terminals

**Top View:**
- Dimensions not specified

**Bottom View:**
- Dimensions not specified

**Side View:**
- Dimensions not specified

### CONTURA III

**Dimensions:**
- Overall height: 2.029 [51.53]
- Terminal arrangement: 8 terminals

**Top View:**
- Dimensions not specified

**Bottom View:**
- Dimensions not specified

**Side View:**
- Dimensions not specified

### CONTURA IV

**Dimensions:**
- Overall height: 2.029 [51.53]
- Terminal arrangement: 10 terminals

**Top View:**
- Dimensions not specified

**Bottom View:**
- Dimensions not specified

**Side View:**
- Dimensions not specified
**Dimensional Specifications: in. [mm]**

**CONTURA V**
- Shown with bar lens
- 8 terminal base w/bars
- 10 terminal base w/barric and lamp terminal

**CONTURA VI**
- Shown with oval lens
- 8 terminal base w/o barriers
- 10 terminal base w/o barriers

**CONTURA VII**
- Shown with large lens and bar lens
- 8 terminal base w/o barriers
- 10 terminal base w/o barriers

---

**V–Series Contura Sealed Rocker Switches - Contura V, VI & VII - Dimensional Specifications**

Email: sales@carlingtech.com  Application Support: team2@carlingtech.com
Phone: (860) 793–9281  Fax: (860) 793–9231  www.carlingtech.com
**Dimensional Specifications: in. [mm]**

**CONTURA X**  
Shown with raised bracket  
8 terminal base w/borders  
Switch shown with VCH connector  
Bottom view terminal arrangement  
8 terminal base

**CONTURA XI**  
Shown with raised bracket and two square lenses  
10 terminal base w/o borders  
CONTURA XII  
Shown with paddle actuator  
8 terminal base w/o borders

**CONTURA XIV**  
Shown with large lens  
10 terminal base w/o borders  
Switches shown with VC1 connector  
10 terminal base

---

Email: sales@carlingtech.com   Application Support: team2@carlingtech.com  
Phone: (860) 793–9281   Fax: (860) 793–9231   www.carlingtech.com
Circuit Diagrams:

<table>
<thead>
<tr>
<th>CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
<th>CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
<th>CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="#" alt="Diagram A" /></td>
<td>2</td>
<td><img src="#" alt="Diagram B" /></td>
<td>3</td>
<td><img src="#" alt="Diagram C" /></td>
</tr>
<tr>
<td>4</td>
<td><img src="#" alt="Diagram D" /></td>
<td>5</td>
<td><img src="#" alt="Diagram E" /></td>
<td>6</td>
<td><img src="#" alt="Diagram F" /></td>
</tr>
<tr>
<td>7</td>
<td><img src="#" alt="Diagram G" /></td>
<td>8</td>
<td><img src="#" alt="Diagram H" /></td>
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**SYMBOLE LEGEND**

<table>
<thead>
<tr>
<th>SYM</th>
<th>DEFINITION</th>
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<tbody>
<tr>
<td>○</td>
<td>DESIGNATES TERMINALS AND CONTACTS</td>
</tr>
<tr>
<td>⊗</td>
<td>DESIGNATES MAINTAINED CIRCUITS</td>
</tr>
<tr>
<td>⊘</td>
<td>DESIGNATES OTHER POSITION</td>
</tr>
<tr>
<td>⊕</td>
<td>DESIGNATES MOMENTARY CIRCUITS</td>
</tr>
<tr>
<td>⊖</td>
<td>DESIGNATES TWO POSITION CONNECTION</td>
</tr>
<tr>
<td>⊗—</td>
<td>DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER</td>
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</table>
### Lamp Circuit Diagrams:

<table>
<thead>
<tr>
<th>LAMP CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
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</thead>
<tbody>
<tr>
<td>A / 1</td>
<td><img src="#" alt="Diagram A/1" /></td>
</tr>
<tr>
<td>B / 2</td>
<td><img src="#" alt="Diagram B/2" /></td>
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<tr>
<td>C / 3</td>
<td><img src="#" alt="Diagram C/3" /></td>
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<tr>
<td>D / 4</td>
<td><img src="#" alt="Diagram D/4" /></td>
</tr>
<tr>
<td>E / 5</td>
<td><img src="#" alt="Diagram E/5" /></td>
</tr>
<tr>
<td>F / 6</td>
<td><img src="#" alt="Diagram F/6" /></td>
</tr>
<tr>
<td>G / 7</td>
<td><img src="#" alt="Diagram G/7" /></td>
</tr>
<tr>
<td>H / Z</td>
<td><img src="#" alt="Diagram H/Z" /></td>
</tr>
<tr>
<td>J / 8</td>
<td><img src="#" alt="Diagram J/8" /></td>
</tr>
<tr>
<td>K / W</td>
<td><img src="#" alt="Diagram K/W" /></td>
</tr>
<tr>
<td>L / 9</td>
<td><img src="#" alt="Diagram L/9" /></td>
</tr>
<tr>
<td>M / R</td>
<td><img src="#" alt="Diagram M/R" /></td>
</tr>
<tr>
<td>SPECIAL #1</td>
<td><img src="#" alt="Diagram SPECIAL #1" /></td>
</tr>
<tr>
<td>SPECIAL #3</td>
<td><img src="#" alt="Diagram SPECIAL #3" /></td>
</tr>
<tr>
<td>SPECIAL #4</td>
<td><img src="#" alt="Diagram SPECIAL #4" /></td>
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</tbody>
</table>

### J-Series Hazard Warning Circuit Diagrams:

<table>
<thead>
<tr>
<th>CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1</td>
<td><img src="#" alt="Diagram J1" /></td>
</tr>
<tr>
<td>J2</td>
<td><img src="#" alt="Diagram J2" /></td>
</tr>
<tr>
<td>J3</td>
<td><img src="#" alt="Diagram J3" /></td>
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<tr>
<td>J4</td>
<td><img src="#" alt="Diagram J4" /></td>
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<tr>
<td>J5</td>
<td><img src="#" alt="Diagram J5" /></td>
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<tr>
<td>JA</td>
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<tr>
<td>JJ</td>
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</tr>
<tr>
<td>JK</td>
<td><img src="#" alt="Diagram JK" /></td>
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</tbody>
</table>

**NOTE:**

J circuits are available for all non-locking V-Series styles. Consult factory for part number details.

### SYMBOL LEGEND

<table>
<thead>
<tr>
<th>SYM</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>○</td>
<td>DESIGNATES TERMINALS AND CONTACTS</td>
</tr>
<tr>
<td>○</td>
<td>DESIGNATES LAMP LOCATION</td>
</tr>
</tbody>
</table>
Reduce inventory levels and cost by stock- ing actuators and base switches separately.
Contura II, III, IV, V Actuator only: VV with code A or C for selection 9, & with selections 10-14 in the ordering schemes.
Contura VI Actuator with lenses and inserts only: VV with code selections 9-16
Contura X, XI, XII, XIV actuators with lenses separately: VV with code selections 9-14 in the ordering schemes.

Panel Seal: VPS

V-Series Contura Sealed Rocker Switches - Stand-Alone Components
Easily integrate Contura products into your system, with Contura Accessories

### Contura Connectors

<table>
<thead>
<tr>
<th>COMPANY SERIES</th>
<th>PART NO</th>
<th>WIRE RANGE</th>
<th>ORIENTATION</th>
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<tbody>
<tr>
<td>PACKARD 58 SERIES</td>
<td>02965580</td>
<td>12</td>
<td>3.0</td>
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<tr>
<td></td>
<td>02965471</td>
<td>12010601</td>
<td>16-14</td>
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<tr>
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<td>02965470</td>
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<td>1.0-2.0</td>
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<td>02965469</td>
<td>02989318</td>
<td>20-18</td>
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<tr>
<td>PACKARD METR-PACK 630 SERIES</td>
<td>12084580</td>
<td>10</td>
<td>5.0</td>
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<td></td>
<td>10052244</td>
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<td>12015870</td>
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<td>1.0-2.0</td>
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<td></td>
<td>12020035</td>
<td>(2)22-18</td>
<td>(2)1.3-316</td>
</tr>
<tr>
<td>AMP 250 SERIES FASTIN-FASTON</td>
<td>60253-1</td>
<td>16-12</td>
<td>1.3-3</td>
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<td></td>
<td>42100-1</td>
<td>18-14</td>
<td>.8-.2</td>
</tr>
</tbody>
</table>

**NOTE:** Consult Delphi Packard and/or Amp on actual part numbers and availability.

**NOTE:** Delphi Packard is a registered trademark of Delphi Packard Electrical Systems Warren, Ohio

**AMP** is a registered trademark of AMP Inc. Harrisburg, PA

Consult Delphi Packard and/or Amp on actual part numbers and availability.

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### Additional V-Series Ratings

1. .4VA @ 28VDC Resistive
2. 10A 125VAC 1/2 HP, 15A 125 VAC 1/2 HP, No Agency Listings
3. 10A 125VAC 1/2 HP, 15A 125 VAC 1/2 HP, UL Recognized, CSA Certified
4. 15A 24V
5. 20A 18V
6. 20A 12V
7. 20A 14V, 10A 14VT (circuits 1, 4, A, & D only)
8. 10A 14V, 6A, 14VT (circuit G only)
9. 20A 6V
10. 20A 3V
11. 15A 125VAC, 10A 250VAC, 1/2 HP 125-250 VAC; 6A 125 VAC L
12. .4VA/20A 12V (combi-contact)
13. (combination gold/silver contacts for borderline dry circuit applications)
14. .4VA/15A 24V (combi-contact)
15. (combination gold/silver contacts for borderline dry circuit applications)

**NOTES**

- Consult factory to determine availability for individual circuits and their HP rating.
- Not available with Contura 7 or 14 rocker styles.
- Rating L available with circuits 1, 4, A & D only.
Contura Mounting Panels
Dimensional Specifications: in. [mm]

Contura Hole Plug
Dimensional Specifications: in. [mm]
Authorized Sales Representatives and Distributors

Click on a region of the map below to find your local representatives and distributors or visit www.carlingtech.com/findarep.

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Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With four ISO registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit www.carlingtech.com/company-profile.

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