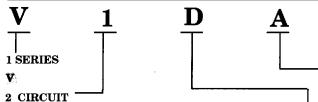
В



Terminal Connections as viewed from bottom of switch:

8 - - 7 1 - - 4

2 - - 5 3 - - 6

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

Terminals 7 & 8 for lamp circuit only.

Position:	<u>1</u>	<u>2</u>	<u>3</u>
	2 & 3	CONNECTED	1 & 2
SP DP	5 & 6	TERMINALS	4 & 5
1 A	ON	NONE	OFF
		NONE	
3 C	ON	NONE	(OFF)
4 D	ON	NONE	ON
5 F	ON	NONE	(ON)
6 J	ON	OFF	ON
7 K	ON	OFF	(ON)
8 L	(ON)	OFF	(ON)
SPECIAL	CIRCUITS		
H*	2 & 3	2 & 3, 5 & 4	5 & 4
G*	2 & 3, 5 & 6	2 & 3	OFF
<b>M</b> *	(2 & 3, 5 & 6)	2 & 3	OFF
$\mathbf{E}^*$	5 & 6	<b>5 &amp;</b> 3	5 & 1

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

#### 3 RATING

10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP No Agency Listings

10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP UL Recognized, CSA Certified

B 15A 24V

20A 18V D 20A 12V

G 20A 6V 20A 3V

**4 TERMINATION & JUMPER** 

TERMINATIO	N	JUMPER
	NO BARRIERS	NO
A .250TAB (QC)	WITH BARRIERS	NO
J 250TAB (QC)	NO BARRIERS	YES T2 TO 5

NOTE: Base will not have terminal insulating barriers when connector and/or jumpers are used. Code J is optional for circuits H, G and M. Customer may provide externally wired jumper to connect terminals 2 and 5.

# V-Series Components and Accessories •:

· Black is standard. For custom colors, consult factory.

To order switch without actuator specify V with code selections 2 through 8. (ex.) V1DABC0B-00000

To order actuator separately specify VV with code selections 9 through 13. (ex.) VVARBMA

For hole plug, order VHP. (390-09002-001)

For external panel seal, order VPS. (999-16543-001)

For actuator removal tool (for flush bracket), order VRT. (999-16702-001)

For mounting panel, end section, order VME. (536-11583-001)

For mounting panel, middle section, order VMM. (536-11582-001)

For connector housing, order VCH. (999-16716-001)

(Customer to supply connector terminals. Connector housing accepts certain Amp, Packard or other industry standard .250TAB (QC) terminals. Please consult factory.)

5 ILLUMINAT	ION &	SWITCH	SEALING

В

B

Lamp #1 located above terminals 1 & 4 end of switch. Lamp #2 located above terminals 3 & 6 end of switch.

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

0

	ACTUATOR LENS LAMP					
	POSITION WHEN	WIRED TO				
EALED UNSEALED LAMPS	ILLUMINATED	TERMINALS				
0 NONE						
1 #1	INDEPENDENT	8+ 7-				
திதிய பாய் ப <b>ு</b>	DOWN	2 7.				

C	3	# 2	UP	3+	7-	
D		<b>******</b> 1	DOWN	3+	7-	
1		AND#2	DOWN	1+	7-	
E	5	# 1	UP	1+	7-	
		AND # 2	UP	3+	7-	
$\mathbf{F}$	6	#1	INDEPENDENT	8+	7-	
		AND # 2	UP	3+	6-	
G	7	#1	INDEPENDENT	8+	7-	
		AND # 2	UP	3+	7-	

#2 INDEPENDENT 8+ FOLLOWING SELECTIONS FOR SINGLE POLE SWITCHES ONLY DOWN 8 #1 3+

AND #2 INDEPENDENT K #1 INDEPENDENT 8+ 7-AND # 2 INDEPENDENT 6+

FOLLOWING SELECTIONS FOR DOUBLE POLE SWITCHES ONLY T.

L	9	#1	DOWN	3+ 6-
M	${f R}$	# 2	UP	3+ 6-
N	${f T}$	#1	DOWN	3+ 6-
		AND # 2	DOWN	1+ 4-
P	$\mathbf{v}$	# 1	UP	1+ 4-
		AND # 2	UP	3+ 6-

## 6, 7 LAMP

24VDC

Selection 6: above terminals 1 & 4 Selection 7: above terminals 3 & 6

USE SAME CODING FOR BOTH SELECTIONS

#### 0 - NO LAMP THIS LOCATION

NEON INCANDESCENT<sup>3</sup> 4 - 3V 5 - 6V 1 - 125VAC 2 - 250VAC 6 - 12V

7 - 18V 8 - 24V

LED SUPERBRIGHT RED AMBER GREEN RED 2VDC F R В 6VDC M G S 12VDC  $\mathbf{C}$ Т N H D

#### 8 BRACKET COLOR<sup>1</sup>, PANEL SEAL

	FLUSH BI	RACKET A II, III, XI	 RAISED BRACKET (CONTURA XI ONLY				
# OF SEALS:	Q	1	<u>0</u>	1			
BRACKET							
COLOR:							
BLACK	В	C	1	4			
WHITE	w	Y	2	5			
GRAY	G	н	3	6			

Mounting Hole Size: 1.450" x 0.830" 36.83mm 21.08mm

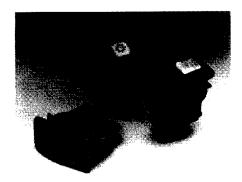
To mount multiple switches in single panel cut-out order optional interlocking mounting panels.

# OF GASKETS ACCEPTABLE PANEL THICKNESS RANGE .<u>030</u>" to .<u>250</u>' .76mm 4.76mm

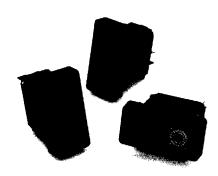
.<u>030</u>" to .<u>109</u>" & .<u>147</u>" to .<u>157</u>" .76mm 2.77mm 3.73mm 3.98mm

# A-25-15

## **V-Series**



**CONTURA II & III** 



**NEW!!** CONTURA XI

The V-Series CONTURA rocker switches offer countless unique options including choices for ratings, colors, illuminations and symbols. These switches feature removable actuators in a choice of rocker actuator styles and colors, are available in single or double pole configurations, and can be illuminated with either square or bar shaped lenses. An optional plug-in terminal connector enables pre-wiring of wire harness.

The Contura II and III versions, with sealed front panel components, are certified to IP66 and IP68, signifying complete protection against dust and prolonged spray and submersion under pressure, and are recognized at UL1500 - Ignition Protection for Marine Products. These switches are vibration, shock, thermo-shock, moisture and salt spray resistant. The Contura II and III actuators are available with optional "soft-touch" surfaces, optional lock-on terminal connector, and actuator removal tools.

The NEW Contura XI version is available with square lenses in either one or two part construction with back-lit legends, for increased durability of lens symbol, and feature a built in Rockerguard\* which helps prevent inadvertent actuation of the rocker. In addition, the CONTURA XI actuator also fits on the CONTURA II and CONTURA III base. Thus, actuators and square lenses may be purchased and stocked separate from the base assembly.

#### **Specifications**

- Certifications\*:
   CONTURA II and III: UL, CSA
   CONTURA XI: Approvals Pending
- Dielectric Strength: 2,000 V RMS
- Insulation Resistance: 50 Megohms
- Base Material: Polyester
- Actuator Material:

CONTURA II and III:

Underlay: Polycarbonate Hard overlay: Nylon

Soft overlay: Thermoplastic elastomer

CONTURA XI:

Nylon

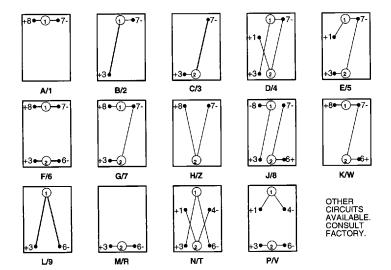
Lens Material: Polycarbonate

- Bracket/Bezel Material: Nylon
- Temperature Ratings: -40°C to 85°C

CONTURA II and III are designed and tested in accordance with requirements of specification MIL STD 202F as follows:

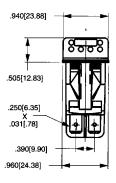
- •Vibration: Method 204D, Test Condition A 0.06 DA or 10G's. 10-500 Hz. Tested with VCH connector. Test criteria No loss of circuit during test and pre and post test contact resistance.
- Shock: Method 213B, Test Condition K
   30 G's. Tested with VCH connector.
   Test criteria No loss of circuit during test and pre and post test contact resistance.
- •Salt Spray: Method 101D, Test Condition A, 48 Hrs. Sealed Version only.
- •Thermal Shock: Method 107F, Test Condition A, -55° to +85°C. Test Criteria - pre and post contact resistance.
- Moisture Resistance: Method 106E. Test criteria - pre and post test contact resistance.
- \* Due to ongoing technological advances, consult factory for certification specifics.

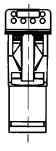
# **Circuit Options**

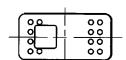


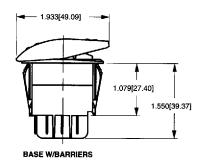
# Dimensional Specifications: in. [mm]

CONTURA II STYLE SHOWN WITH SQUARE LENS

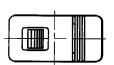


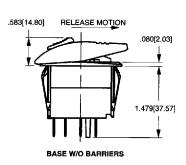




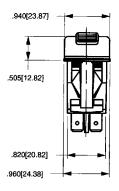


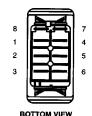




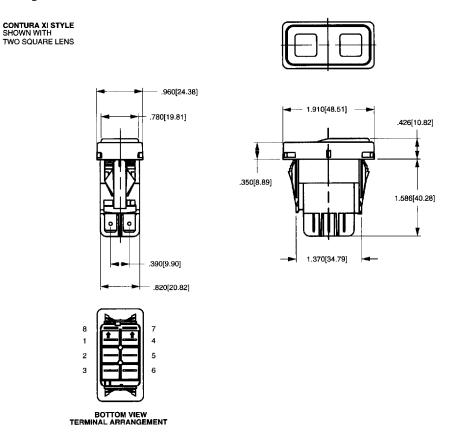


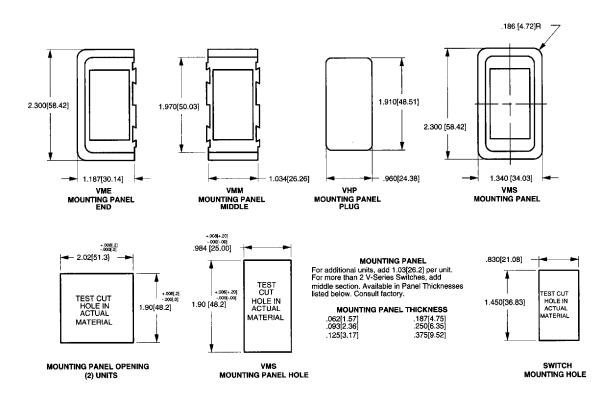
CONTURA III STYLE SHOWN WITH LOCKING ROCKER





## Dimensional Specifications: in. [mm]





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