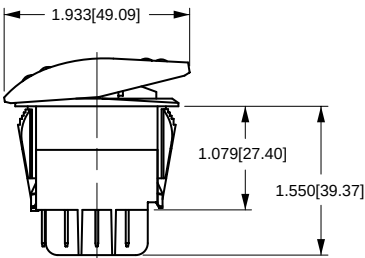
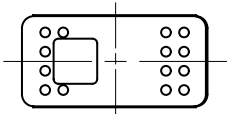
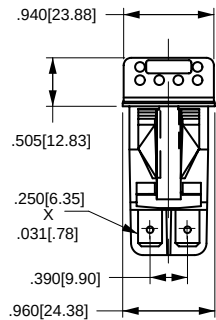
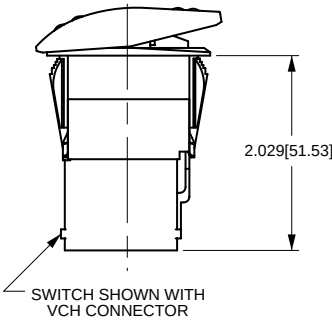
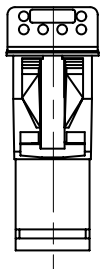


Dimensional Specifications: in. [mm]

CONTURA II STYLE
SHOWN WITH
SQUARE LENS

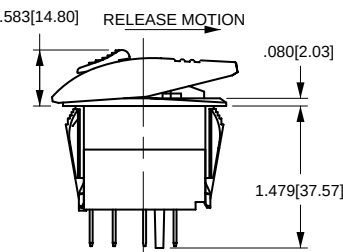
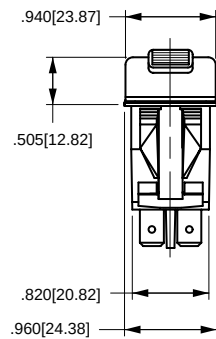


BASE W/BARRIERS

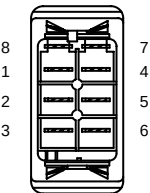


SWITCH SHOWN WITH
VCH CONNECTOR

CONTURA III STYLE
SHOWN WITH
LOCKING ROCKER



BASE W/O BARRIERS



BOTTOM VIEW
TERMINAL ARRANGEMENT

Circuit Diagrams

CIRCUIT	CIRCUIT DIAGRAM	CIRCUIT	CIRCUIT DIAGRAM	CIRCUIT	CIRCUIT DIAGRAM	CIRCUIT	CIRCUIT DIAGRAM
1		6		C		L	
2		7		D		H	
3		8		F		G	
4		A		J		M	
5		B		K		E	

SYMBOL LEGEND	
SYM.	DEFINITION
	DESIGNATES TERMINALS AND CONTACTS
	DESIGNATES LAMP LOCATION
	DESIGNATES MAINTAINED CIRCUITS
	DESIGNATES OTHER POSITION
	DESIGNATES MOMENTARY CIRCUITS
	DESIGNATES TWO POSITION CONNECTION
	DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER

Lamp Circuits

LAMP CIRCUIT	CIRCUIT DIAGRAM	LAMP CIRCUIT	CIRCUIT DIAGRAM	LAMP CIRCUIT	CIRCUIT DIAGRAM	LAMP CIRCUIT	CIRCUIT DIAGRAM
A/1		F/6		L/9		SPECIAL #3	
B/2		G/7		M/R		SPECIAL #4	
C/3		H/Z		N/T			
D/4		J/8		P/V			
E/5		K/W		SPECIAL #1			

SYMBOL LEGEND	
SYM.	DEFINITION
o	DESIGNATES TERMINALS AND CONTACTS
○	DESIGNATES LAMP LOCATION

OTHER CIRCUITS AVAILABLE.
CONSULT FACTORY.

V **1** **D** **A** **B** **6** **0** **B** **-**

1 SERIES**2 CIRCUIT**

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:	1	2	3
	2 & 3	CONNECTED	1 & 2
	5 & 6	TERMINALS	4 & 5
SP DP	5 & 6	TERMINALS	4 & 5
1 A	ON	NONE	OFF
2 B	(ON)	NONE	OFF
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
M*	(2 & 3, 5 & 6)	2 & 3	OFF
E*	5 & 6	5 & 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. Special circuits H, M and E not available with ratings 5 through 9.

3 RATING

4	10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP No Agency Listings
5	10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP UL Recognized, CSA Certified
6*	15A 125VAC 1/2 HP, 12(2)A 125 VAC μ T85
7*	15A 125VAC 1/2 HP, 12(6)A 125 VAC T85
8*	10A 250VAC, 15A 125VAC, 1/2 HP 125-250 VAC, 12(2)A 250 VAC μ T85
9*	10A 250VAC, 15A 125VAC, 1/2 HP 125-250 VAC, 12(6)A 250 VAC T85
B	15A 24V
C	20A 18V
D	20A 12V
G	20A 6V
H	20A 3V

* Ratings 6, 7, 8 & 9 are UL, CSA, VDE, DEMKO, SEMKO, NEMKO, FIMKO and BEAB certified. Rating 6 & 8 available with circuits 2, 3, 5, 6, 7, 8, B, C, F, J, K, L only. Rating 8 is 1/2 HP, 250VAC only for circuits 2, 3, 5, 7, 8, K, L. Ratings 7 & 9 available with circuits 1, 4, A, D. Ratings 6 & 7 only available with lamp code 1 (125VAC neon). Ratings 8 & 9 only available with lamp code 2 (250VAC neon).

4 TERMINATION & JUMPER

	TERMINATION	JUMPER
1	.250TAB (QC) 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.

5 ILLUMINATION & SWITCH SEALING

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.

SEALED	UNSEALED	LAMPS	ACTUATOR LENS POSITION WHEN ILLUMINATED	LAMP WIRED TO TERMINALS
S	0	None		
A	1	# 1	Independent	8+ 7-
B	2	# 1	Down	3+ 7-
C	3	# 2	Up	3+ 7-
D	4	# 1	Down	3+ 7-
		and # 2	Down	1+ 7-
E	5	# 1	Up	1+ 7-
		and # 2	Up	3+ 7-
F	6	# 1	Independent	8+ 7-
		and # 2	Up	3+ 6-
G	7	# 1	Independent	8+ 7-
		and # 2	Up	3+ 7-
H	Z	# 2	Independent	8+ 7-
Selections for Single Pole Switches Only:				
J	8	# 1	Down	3+ 8-
		and # 2	Independent	6+ 7-
K	W	# 1	Independent	8+ 7-
		and # 2	Independent	6+ 7-
Selections for Double Pole Switches Only:				
L	9	# 1	Down	3+ 6-
M	R	# 2	Up	3+ 6-
N	T	# 1	Down	3+ 6-
		and # 2	Down	1+ 4-
P	V	# 1	Up	1+ 4-
		and # 2	Up	3+ 6-

6, 7 LAMP

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 ³
1 - 125VAC	4 - 3V
2 - 250VAC	5 - 6V
	6 - 12V
	7 - 18V
	8 - 24V

LED	RED	AMBER	SUPERBRIGHT GREEN	SUPERBRIGHT RED
2VDC	A	L	F	R
6VDC	B	M	G	S
12VDC	C	N	H	T
24VDC	D	P	J	V

8 BRACKET COLOR¹, PANEL SEAL

FLUSH BRACKET
(CONTURA II, III)

# OF SEALS:	0	1
BRACKET COLOR:		
BLACK	B	C
WHITE	W	Y
GRAY	G	H

Mounting Hole Size: $\frac{1.450}{36.83\text{mm}}$ x $\frac{0.830}{21.08\text{mm}}$

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

# OF GASKETS	ACCEPTABLE PANEL THICKNESS RANGE
0	$\frac{.030}{.76\text{mm}}$ to $\frac{.250}{4.76\text{mm}}$
1	$\frac{.030}{.76\text{mm}}$ to $\frac{.109}{2.77\text{mm}}$ & $\frac{.147}{3.73\text{mm}}$ to $\frac{.157}{3.98\text{mm}}$

A

9 ACTUATOR

0 - NO ACTUATOR (FURNISHED SEPARATELY)

CONTURA II	A		
	B		
CONTURA III	C		
	D		

Actuator orientation above terminals: 3,6 1,4

10 LENS

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

0 - NO ACTUATOR			Z - NO LENS		Lens Location & Style:	
CLEAR	WHITE	AMBER	GREEN	RED	BLUE	
1	6	B	G	M	T	
2	7	C	H	N	U	
3	8	D	J	P	V	

Square lens options available only for Contura II:

4	9	E	K	R	W
5	A	F	L	S	Y

11 ACTUATOR COLOR¹ AND TEXTURE

0 - NO ACTUATOR

	SOFT SURFACE	HARD SURFACE
BLACK	B	C
GRAY	G	H
RED	R	S
WHITE	W	Y

12 ACTUATOR LENS OR BODY LEGENDS^{*}

00 - NO LEGEND THIS LOCATION/NO ACTUATOR

11 ON OFF	12 OFF ON
13 I O	14 O I
15 O F F	16 O N O F F
17 O I	18 I O

FOR ADDITIONAL LEGEND OPTIONS & CODES, SEE PAGES 19 TO 25.

NOTES:

Shading indicates standard configurations.

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

- Custom colors are available. Consult factory.
- Not available on Soft surface actuators. White imprinting is standard on black actuators. Black imprinting is standard on white, red and gray actuators. Custom colors are available. Consult factory.
- 18V bulbs recommended for 13.8 V applications for sharper illumination.
- For CONTURA II with square lens: Orientation 1 & 2 only available with actuators A & C from selection 9; Orientation 3 & 4 only available with actuators B & D from selection 9.

B

00

-

0

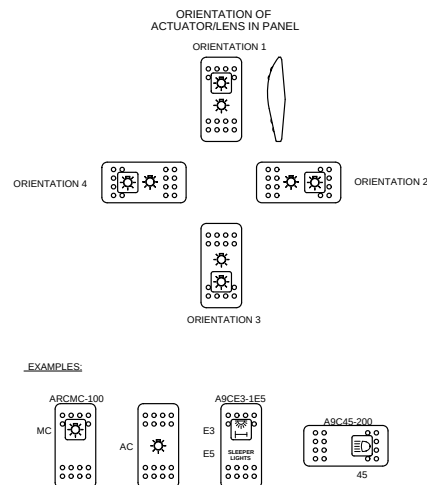
00

13 LEGEND ORIENTATION⁴

Field 13 must be 0 if legend code in selection 12 is 11 - 18.

0 - NO LEGEND

- Orientation 1
- Orientation 2
- Orientation 3
- Orientation 4



* Additional orientations and locations for legends available, consult factory.

14 ACTUATOR LENS LEGENDS^{*}

Field 14 must be 00 if legend code in selection 12 is 11 - 18.

00 - NO LEGEND THIS LOCATION/NO ACTUATOR

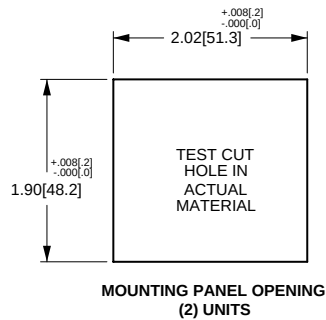
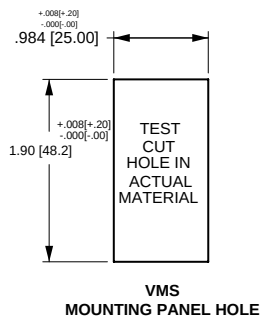
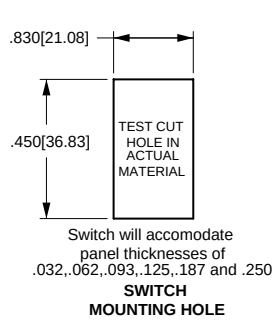
Selection 14 required when switch requires two legends. If the two legends consist of one lens and one body legend, lens legend must be specified in selection 12; body legend specified in selection 14.

FOR LEGEND OPTIONS & CODES, SEE PAGES 19 TO 25.

V-Series Components:

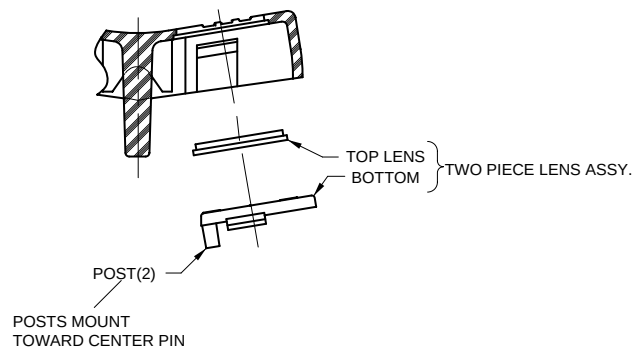
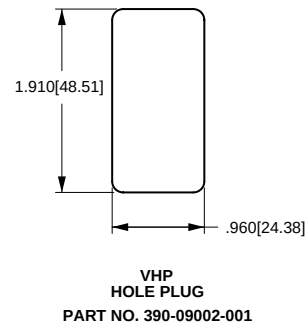
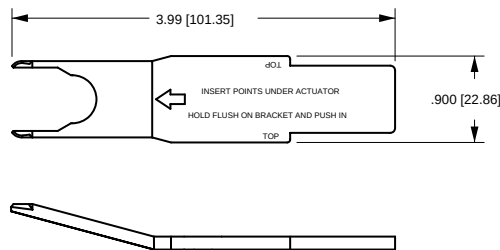
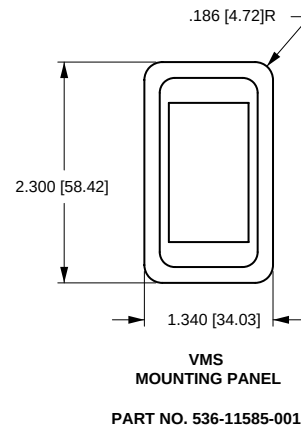
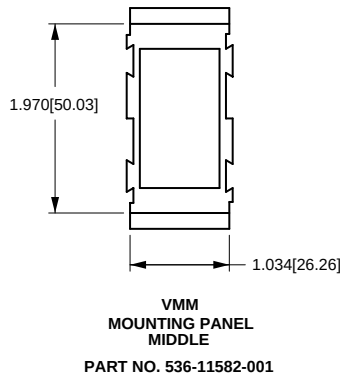
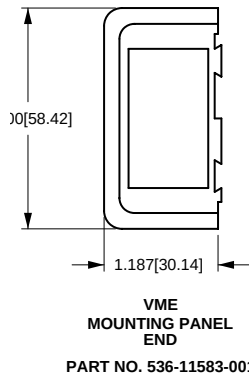
To order **switch without actuator** specify: **V** with code selections **2** through **8**.
(ex.) V1DABC0B-00000-000

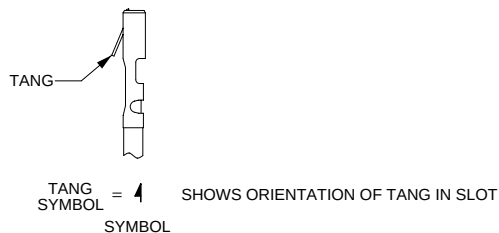
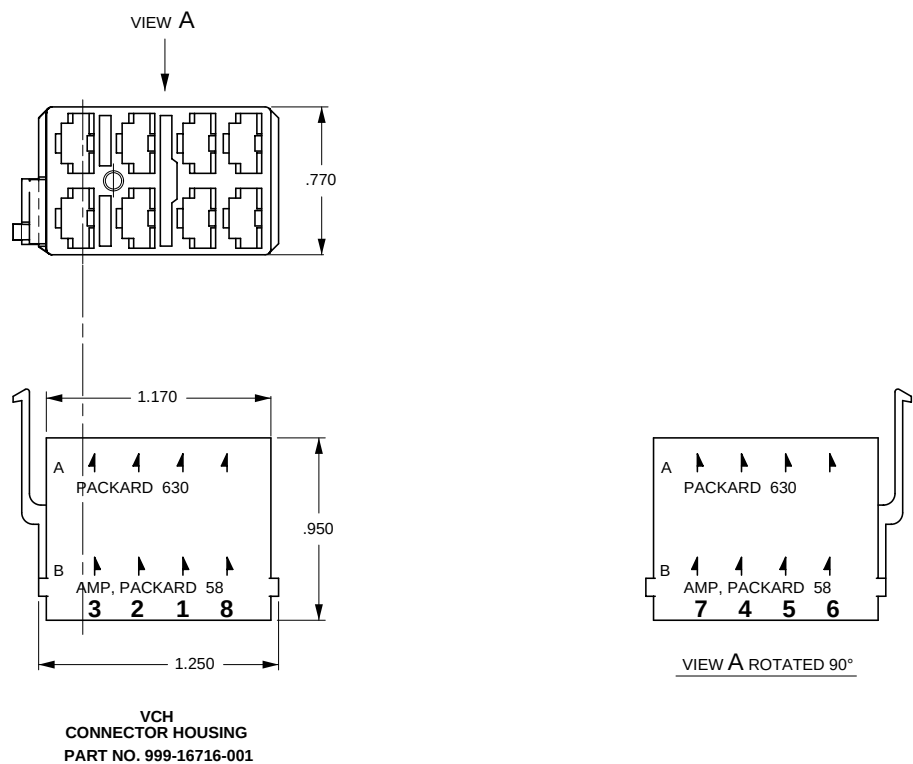
To order **actuator separately** specify: **VV** with code **A** or **C** only for selection 9, and codes from above scheme for selections 10 through 14.
(ex.) VVARBMA-100



MOUNTING PANEL
For additional units, add 1.03[26.2] per unit.
For more than 2 V-Series Switches, add middle section. Will accommodate panel thicknesses listed below.

PANEL THICKNESS	
.062[1.57]	.187[4.75]
.093[2.36]	.250[6.35]
.125[3.17]	.375[9.52]





VCH Q.C. SELECTION GUIDE							
COMPANY SERIES	PART NO		WIRE RANGE		INSULATION SIZE		ORIENTATION
	PLAIN BRASS	TIN PLATED BRASS	AWG	MM ²	INCH	MM	
PACKARD 58 SERIES	02965580		12	3.0	.137-.143	3.49-3.65	B
	02965471	12010601	(2)16-14	(2)1.0-2.0	.097-.122	2.48-3.10	
	02965470		16-14	1.0-2.0	.097-.122	2.48-3.10	
	02965482		(2)20-18	(2).5-.8	.079-.098	2.03-2.51	
	02965469	06288318	20-18	.5-.8	.079-.098	2.03-2.51	
PACKARD METRI-PACK 630 SERIES		12084590	12	3.0	.190 MAX	4.83 MAX	A
	12066276	12052224	12	3.0	.115-.125	2.94-3.10	
	12015833	12015870	16-14	1.0-2.0	.097-.156	2.48-3.97	
		12020035	(2)22-18	(2).5-.8	.079-.122	2.03-3.12	
	12015832	12015869	20-18	.5-.8	.079-.122	2.03-3.12	
	12066268	12052222	20-22	.35-.5	.072-.098	1.84-2.51	
	12020143	12020144	(2) 22	(2) .35	.053-.078	1.35-2.00	
AMP 250 SERIES FASTIN-FASTON	60253-1	60253-2	16-12 (2) 16	1.3-3 (2) 1.3	.160-.190 (2).130 MAX	4.06-4.83 (2) 3.3 MAX	B
	42100-1	42100-2	18-14	.8-2	.120-.160	3.06-4.06	
	60295-1	60295-2	22-18	.3-.9	.085-.125	2.16-3.18	