

	R SUPPLY DESI LOCATION	GIVATUR		IDMINIED CLIBBLY BBEI	IV	1	CTANI	DBA DI IDATIC	W DEVI IIDED	(UDC)	4
	LUCATION	MECHANICAL	NAC	POWER SUPPLY PREI	-IX	1			N REQUIRED (N	` 	5
ANEA 3	EDVED	VESDA POWE						E CAPACITY (9	REQUIRED (N	iliv)	20%
	ERVED			PLY BASE LOAD/AUX	ΠΙΔΕΥ	PO		•	70)		207
POWER SUPPLY BASE LOP			FEI DAGE LOAD/AOA	ILIANI			RRENT (mA)	ALARM CURRENT (mA)			
1	PART#		DESCRIF	PTION	QTY.		EACH	TOTAL	EACH	TOI	_
	BPS6A	REMOTE BOO	STER POWE	R SUPPLY	1	<u> </u>	70	70	270	27	
	BPS AUX	BPS CIRCUITS			4		35	140	35	14	
SI	GA-CC1S	SIGNAL MODI	ULE WITH ST	ROBE SYNC	1		0	0	6	6	
				NAC/AUX OUT	DLITS						
NAC/AUX OUTPUTS			·	1013	SL	JPV. CUF	RRENT (mA)	ALARM CUF	RENT (mA	
СКТ. #	ТҮРЕ		DESC	CRIPTION				TAL	TO		
1	AUX. POWER	VESDA POWE	R (EXISTING)			14	140	16	20	
2	AUX. POWER	VESDA POWE	R (EXISTING)			14	140	16	20	
3	AUX. POWER	VESDA POWE	R (EXISTING)			9	60	10	80	
4	AUX. POWER	VESDA POWE	R (NEW)				7	34	80	00	
				SUB	TOTALS	SUPE	RVISOR	Y CURRENT (A	MPS): 4.7	84	
				TOTAL SUPERVIS	ORY C	JRRE	NT WITH	H STANDBY (A	MPS): 19.	136	
					SUBT	ГОТА	L ALARN	1 CURRENT (A	MPS): 5.5	36	
				TOTAL ALARM CUR	RENT V	VITH	ALARM	RING TIME (A	MPS): 0.4	61	
								SPARE CAP			
0	On\/6	ergir	1 +®		TOTA			REQUIRED (A	•		
						D /	TTENY	IZE REQUIRED) (AH): 2	-	

CIRCUIT N1-4 - AUX. POWER SUMMARY						AUX. POW					
					DESCRIPTION VESDA PO			WER (NEW)			
	POWER	SUPPLY II	NFORMATIO	N			CABL	E PROPER	ΓIES		
NOMINAL STA	RTING VOLTAGE (Vdc)	19.7	LOAD FACTO	OR (LF)		0.59	WIRE GAU	GE (AWG)	14		
MINIMUM DE	VICE VOLTAGE (Vdc)	16	VOLTAGE W/LOAD FACTOR (VDC)			19.228	Ω PER 1K FE	ET (OHMS)	3.07		
TOTAL SUPERV	/ISORY CURRENT (AMPS)	0.734	TOTAL ALAR	M CURRE	NT (AMPS)	0.800					
						STANDBY	'CURRENT	ALARM C	URRENT		
PART#	DEVICE			QTY	(mA)		(mA)				
						EACH	TOTAL	EACH	TOTA		
VEP-A00-1P	VESDA-E, ASPIRATOR @	FIXED RPM	1		2	367	734	400	800		

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uyallup ermitting Services PERMIT
Planning
Public Works
Traffic

REV	JOE	# - DESCRIPTION	DATE	BY JU
-	ISSUED FOR PERM	IIT	10/21/2025	
D A \A/I	N DV.			
DRAWN BY:		JACOB U.		
ROJE	CT DESIGNER:	JACOB U.		
PROJECT MANAGER:		CHAIRTY P.		

US01-J00280181

DATE: 10/17/2025

CENTRIS - SOUTH HILL DATACENTER FIRE REPAIR & NEW BATTERY RM 1023 39TH AVE SE PUYALLUP, WA 98374

> **DEVICE DETAILS &** CALCULATIONS FIRE ALARM SYSTEM

> > FA-4-1

VESDA-E VEP - MOUNTING DETAIL

SIGA-CR

4 3 2 1

EST SIGA-CR

ELECTRICAL BOX

EXPLODED VIEW

WIRING DIAGRAM

CONTROL RELAY MODULE - WIRING DIAGRAM

WALL PLATE,

#6-32 × 5/8 MACHINE SCREW #4 × 1/2 SELF-TAPPING

WHITE (1-GANG)

EST SIGA-CR

CONTROL RELAY MODULE

COMPATIBLE ELECTRICAL BOXES

MINIMUM (W × H × D) $2.4 \times 3.5 \times 1.5$ IN.

RELATIVE HUMIDITY 0 TO 93% NON-CONDENSING

PLATE AND MODULE TO THE ELECTRICAL BOX.

SEE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION

2. USING THE SELF-TAPPING SCREW PROVIDED, ATTACH THE WALL PLATE TO THE MODULE.
3. USING THE TWO MACHINE SCREWS PROVIDED, ATTACH THE WALL

OPERATING ENVIRONMENT
TEMPERATURE 32 TO 120° F

INSTALLATION NOTES

1. WIRE THE MODULE AS SHOWN.

CONTACT RATINGS (PILOT DUTY) 25 VDC AT 2A, 120 VAC AT 0.5A FORM C, PROGRAMMABLE CLASS E

CIRCUIT DESIGNATION
SIGNALING LINE CIRCUIT CLASS A, STYLE 6 OR CLASS B, STYLE 4

4 IN. SQUARE BOX 1-1/2 IN. DEEP WITH SINGLE-GANG COVER LPCB/CPR ELECTRICAL BOX REQUIREMENTS
PLASTIC BOX WITH COVER PLATE, NO GAPS OR UNUSED HOLES ELECTRICAL BOX

EXPLODED VIEW

WIRING DIAGRAM

DUAL INPUT MODULE - WIRING DIAGRAM

SIGA-CT2

4 3 2 1

EST SIGA-CT2

WHITE (1-GANG)

#6-32 × 5/8 MACHINE SCREW #4 × 1/2 SELF-TAPPING

EST SIGA-CT2

DUAL INPUT MODULE

COMPATIBLE ELECTRICAL BOXES
2-1/2 IN. DEEP SINGLE-GANG

INSTALLATION NOTES

PLATE TO THE MODULE.

GROUND FAULT IMPEDANCE 10 kΩ
INITIATING DEVICE CIRCUIT (IDC)
EOL RESISTOR VALUE 47 kΩ, UL LISTED

CIRCUIT CAPACITANCE 0.1 µF MAX

NOTIFICATION LINE CIRCUIT CLASS B, STYLE B

MINIMUM (W × H × D) $2.4 \times 3.5 \times 1.5$ IN.

RELATIVE HUMIDITY 0 TO 93% NON-CONDENSING

PLATE AND MODULE TO THE ELECTRICAL BOX.

SEE INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION

2. USING THE SELF-TAPPING SCREW PROVIDED, ATTACH THE WALL

3. USING THE TWO MACHINE SCREWS PROVIDED, ATTACH THE WALL

OPERATING ENVIRONMENT
TEMPERATURE 32 TO 120° F

CIRCUIT RESISTANCE 50 Ω (25 Ω PER WIRE), MAX

CIRCUIT DESIGNATION
SIGNALING LINE CIRCUIT CLASS A, STYLE 6 OR CLASS B, STYLE 4

4 IN. SQUARE BOX 1-1/2 IN. DEEP WITH SINGLE-GANG COVER LPCB/CPR ELECTRICAL BOX REQUIREMENTS
PLASTIC BOX WITH COVER PLATE, NO GAPS OR UNUSED HOLES

OPERATING VOLTAGE