HALEN SYSTEM

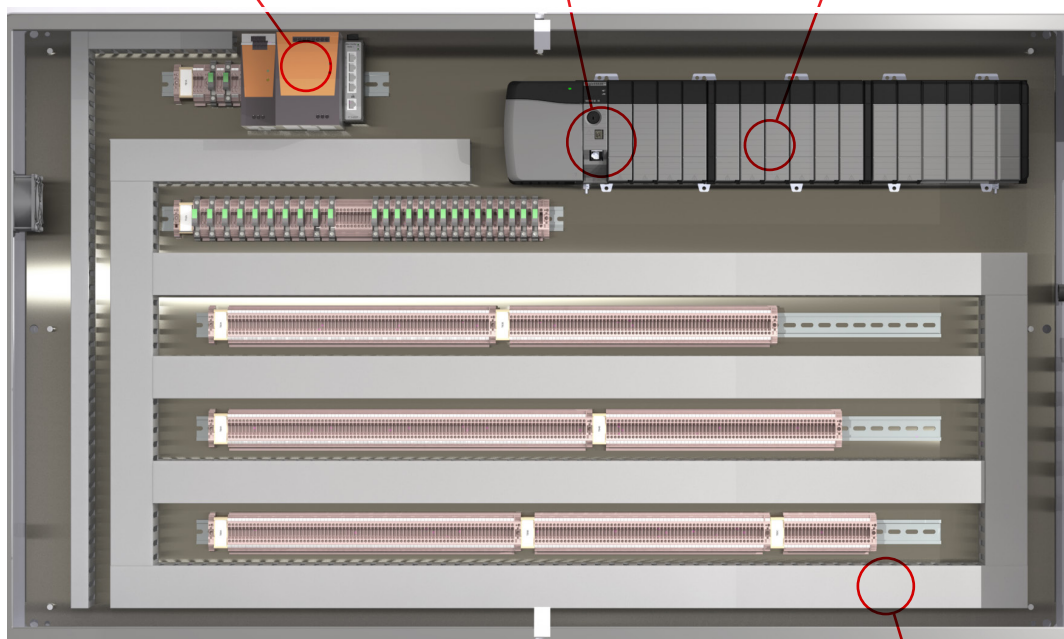## ALLEN-BRADLEY MEASUREMENT & CONTROL PANEL

UL®

VALKYRIE CONTROLS

The Halen System is a general-purpose Allen-Bradley based measurement & control panel with 136 channels and equiped with a 17- slot Allen-Bradley ControlLogix PLC.

Weidmuller 24VDC DIN Rail Power Supplies

Allen Bradley ControlLogix 5580 Controller; 1756-L83E

32 Digital inputs
32 Digital outputs
16 Analog inputs
16 Analog outputs
16 RTD inputs (3 or 4 wire)
16 24VDC powered outputs
 8 AC/DC isolated contacts

**36''x 60''x 12'';
IP66 enclosure**

VALKYRIE CONTROLS

Technical Specifications

Digital Inputs	(x32) 24VDC Fused Sinking Inputs
Digital Outputs	(x32) 24VDC Fused Sourcing Outputs
	(x16) Fused 24VDC Powered Outputs Rated for 1A/point
Analog Inputs	(x16) Voltage/Current Analog Inputs with HART
Analog Outputs	(x16) Voltage/Current Analog Outputs with HART
RTD Input	(x16) Isolated 3- and 4- Wire RTD Inputs
Dry Contact	(x8) 10-240 VAC/5-125 VDC Isolated Contacts
Ethernet Connectivity	(x2) RJ45 GbE (Cat6a)
Power Input	100VAC-240VAC Wide Range Input 45 – 65Hz;
PLC Configuration	(x1) 17-Slot Standard Series B ControlLogix Chassis; 1756-A17/B
	(x1) 24VDC Standard Power Supply;1756-PB75/B
	(x1) Allen Bradley ControlLogix 5580 Controller; 1756-L83E
	(x2) 16-ch Digital Input Module; 1756-IB16
	(x2) 16-ch Digital Output Module; 1756-OB16D
	(x2) 8-ch Voltage/Current Analog Input Module with HART; 1756-IF8H
	(x2) 8-ch Voltage/Current Analog Output Module with HART; 1756-OF8H
	(x2) 8-ch Isolated RTD/Thermocouple Analog Input Module; 1756-IRT8I
	(x1) 16-ch AC/DC Isolated Contact Module; 1756-0W16I
	(x1) 8-ch AC/DC Isolated Contact Module; 1756-OX8I
	(x4) ControlLogix Slot Filler Module; 1756-N2
Expandability	(x4) Spare PLC Slots
Operating Temperature	+32 to 113 °F (0 to 45 °C)
Storage Temperature	+5 to 140 °F (-15 to 60 °C)
Physical Dimensions	60'' x 36'' x 12''
I/O Interface	Weidmuller Terminal Blocks (Metal Gland Access)
Power Supplies	Weidmuller 24VDC DIN Rail Power Supplies; 1478120000 and 1478140000

VALKYRIE CONTROLS

Warranty and Support

Each system comes with a 1-year replacement warranty that covers any defective hardware as specified by the original OEM. All control panels undergo an extensive quality control & assurance process. All panels are UL508A certified (Standard). CSA General purpose certification is available upon request.

Our Engineers are available to answer any technical or troubleshooting questions regarding products, installation and future design updates. You can learn more about our other pre-engineered systems or request a free industrial panel design at www.valkyriecontrols.com.

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