VOLTA-N4
ELECTRO-HYDRAULIC CONTROL SYSTEMS

Autonomous, zero-emissions valve actuation
for quarter-turn, linear, on/off and modulating valves.



NEMA 4 Remote
Mounted System

VOLTA
www.VoltaESD.com

INTEGRATED CONTROL. BUILT FOR RELIABILITY.

> ELECTRO-HYDRAULIC OPERATION

Self-contained hydraulic power and intelligent controls with battery backup and manual override.

> AVAILABLE IN OPEN/CLOSED OR MODULATING

Configurable for quarter-turn, linear, on/off or modulating valves.

> LOCAL & REMOTE VALVE CONTROL

Open, close or modulate valves locally, remotely, or through an existing PLC.

> MULTI-VALVE CAPABILITY

Monitor external instruments and control up to eight valves when configured as an RTU.

> CUSTOMER COMMUNICATIONS INTEGRATION

Integrates with customer communications systems and existing control networks.

> DIAGNOSTICS & COMMUNICATIONS

Valve position, hydraulic pressure, battery status, SCADA, discrete input or Modbus RS-485 connectivity.



ZERO
EMISSION

Zero Emission | Remote Control | ESD Ready

A PRODUCT OF SOUTHERN VALVE & CONTROL, LLC

CONTACT@VOLTAESD.COM | 337-608-8824

VOLTAESD.COM

VOLTA ELECTRO-HYDRAULIC
PIPELINE ESD CONTROL SYSTEM

www.VoltaESD.com







CONTROL & MONITORING FUNCTIONS

> **OPERATION**
Microprocessor-controlled electro-hydraulic actuation.

> **SELF-DIAGNOSTICS**
Position, actuator pressure and battery monitoring.

> **PRESSURE COMPENSATION**
Automatic compensation for hydraulic pressure loss.

> **LINE PRESSURE MONITORING**
4 analog inputs, 8 digital inputs and 6 digital outputs.

> **DATA ACQUISITION**
Modbus / SCADA; optional telemetry interfaces.

> **PARTIAL STROKE TEST**
Valve exercising and diagnostic testing capability.



Standard HMI Interface

TECHNICAL SPECIFICATIONS

Hydraulic outlet pressure	300 to 3,000 psi (1 to 207 bar)
Hydraulic oil volume	0.8 to 9+ gal.
Operating temperature	-20 to 140°F; optional -50°F
Power options	12/24Vdc, 120/220Vac, 480Vac and Solar Grid Backup
Communications	Discrete input or Modbus RS-485 (Std) TCP/IP (Opt)

SOLD EXCLUSIVELY THROUGH SOUTHERN VALVE & CONTROL RESELLERS

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