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# 01 Readiness and operating boundary

Before isolation, reconcile the complete label with the host drawing and capture the as-found installation.

## Capture the installed identity

Confirm the complete VE4003S5B1 KJ3002X1-BG2 12P1731X082 marking and documented hardware role before work.

| | |
|---|---|
| **Exact assembly** | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| **Input function** | Thermocouple / millivolt |
| **Channels** | 8 |

## Prove the work boundary

Place the connected process and controller hardware in the approved maintenance state.

| | |
|---|---|
| **Identity** | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| **Host** | DeltaV M-series Traditional I/O |
| **Acceptance** | Isolation and label record |

| PAGE TRACE | REQUIRED ENTRY |
|---|---|
| **Inspector** | _____ |
| **Result** | Pass / hold / corrective action |
| **Record** | Date, diagnostic state and release reference |


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# 02 Configuration and interface setup

Translate retained records into a controlled map of position, connections, keying and configuration.

## Build the channel map

Record the host position, companion parts, cable direction, terminal assignments and active configuration.

| | |
|---|---|
| **Input function** | Thermocouple / millivolt |
| **Channels** | 8 |
| **Thermocouple types** | B, E, J, K, N, R, S and T |

## Classify every field circuit

Create a point-by-point map of every affected connector, terminal and configuration assignment.

| | |
|---|---|
| **Identity** | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| **Host** | DeltaV M-series Traditional I/O |
| **Acceptance** | Channel map approved |

| PAGE TRACE | REQUIRED ENTRY |
|---|---|
| **Inspector** | _____ |
| **Result** | Pass / hold / corrective action |
| **Record** | Date, diagnostic state and release reference |

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# 03 Installation and service sequence

Install the exact hardware and rebuild each interface without changing the documented architecture.

## Restore the physical assembly

Isolate every documented power, signal and stored-energy source before disconnecting hardware.

| | |
|---|---|
| **Channels** | 8 |
| **Thermocouple types** | B, E, J, K, N, R, S and T |
| **Low-level voltage** | -100 to 100 mV |

## Apply controlled settings

Protect keyed connectors, electronic contacts and labeled field conductors during handling.

| | |
|---|---|
| **Identity** | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| **Host** | DeltaV M-series Traditional I/O |
| **Acceptance** | Assembly and settings restored |

| PAGE TRACE | REQUIRED ENTRY |
|---|---|
| **Inspector** | _____ |
| **Result** | Pass / hold / corrective action |
| **Record** | Date, diagnostic state and release reference |


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# 04 Verification and fault isolation

Energize under controlled conditions and observe all available module, carrier and system diagnostics.

## Observe supervised states

Restore only the recorded power, wiring, grounding, shielding and configuration arrangement.

| | |
|---|---|
| **Thermocouple types** | B, E, J, K, N, R, S and T |
| **Low-level voltage** | -100 to 100 mV |
| **A/D resolution** | 16-bit |

## Exercise fault indications

Energize in a controlled sequence and review module, carrier, controller and field diagnostics.

| | |
|---|---|
| **Identity** | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| **Host** | DeltaV M-series Traditional I/O |
| **Acceptance** | Supervision response recorded |

| PAGE TRACE | REQUIRED ENTRY |
|---|---|
| **Inspector** | _____ |
| **Result** | Pass / hold / corrective action |
| **Record** | Date, diagnostic state and release reference |


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# 05 Acceptance and service handover

Release the equipment only after identity, installation and functional evidence are recorded together.

## Compile the acceptance package

Function-test acquisition of eight thermocouple or millivolt measurement channels and retain the acceptance record before service release.

| | |
|---|---|
| Exact assembly | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| Input function | Thermocouple / millivolt |
| Channels | 8 |

## Authorize the handover

Attach the as-left diagnostic state and named release owner to the handover record.

| | |
|---|---|
| Identity | VE4003S5B1 KJ3002X1-BG2 12P1731X082 |
| Host | DeltaV M-series Traditional I/O |
| Acceptance | Release evidence complete |

Related industrial automation product

Related industrial automation product

Related industrial automation product

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