

# T8830 Installation & Verification

## Trusted 40-Channel Analog Input Field Termination Assembly

### Installation Checklist

| Step | Model-specific verification                                                                  | Check |
|------|----------------------------------------------------------------------------------------------|-------|
| 1    | Match T8830 to the approved T8431 analog input channel arrangement and SmartSlot cables.     | ■     |
| 2    | Verify the dual 24 Vdc field supplies, loop polarity and transmitter power scheme.           | ■     |
| 3    | Keep analog loop shields and grounding consistent with the controlled cabinet drawing.       | ■     |
| 4    | Replace a channel fuse only after locating the loop fault and confirming the specified fuse. | ■     |
| 5    | Validate zero, span, open-loop response and diagnostics for every commissioned channel.      | ■     |

### Signal and Hardware Match

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Signals / data       | up to forty 0–22 mA field-current loops through individual 250 Ω conversion resistors             |
| Compatible ecosystem | T8431 analog input module, SmartSlot v1 cables, dual 24 Vdc field supplies and TS32/TS35 DIN rail |
| Official dimensions  | 111 × 335 × 51 mm                                                                                 |
| Published weight     | 0.900 kg                                                                                          |

## Commissioning Record

|                       |  |
|-----------------------|--|
| Project / unit        |  |
| Cabinet / base / slot |  |
| Hardware revision     |  |
| Termination / cable   |  |
| Channel test result   |  |
| Technician / date     |  |

## Release-to-Service Gate

- ✓ Record the exact model and physical nameplate.
- ✓ Confirm approved compatible hardware and wiring.
- ✓ Complete diagnostics and channel-level functional testing.
- ✓ Attach controlled test results before authorization.

## Official Source

Rockwell Automation PD-T8830 Trusted 40 Channel Analog Input FTA  
[https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icsst-rm291\\_-en-p.pdf](https://literature.rockwellautomation.com/idc/groups/literature/documents/rm/icsst-rm291_-en-p.pdf)

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**Send the exact model, nameplate and required quantity.**

