Emerson 8626-FT-IS

Installation & Commissioning Guide

01 Job scope and safe-work boundary

Emerson 8626-FT-IS is an intrinsically safe RTD field terminal for the PAC8000 8206-TI-IS eight-channel temperature-input module. It provides the field-wiring interface for two-, three- and four-wire RTD circuits.

Offered marking	Emerson 8626-FT-IS
Installed host or system	PAC8000 / 8206-TI-IS RTD input
Included-item check	Confirm the screw-clamp terminal and tagging strip; the 8206-TI-IS module and carrier are separate items unless stated in the quotation.
Pre-work identity	Check the complete 8626-FT-IS marking and RTD terminal design; 8625-FT-IS is a thermocouple terminal and is a different reference.

Work boundary

Follow the site hazardous-area and isolation procedure before disturbing field connections.

02 Readiness checks

Check	Required evidence
De-energize safely	Follow the site hazardous-area and isolation procedure before disturbing field connections.
Match the module	Confirm 8206-TI-IS and the C/3 mechanical key before fitting 8626-FT-IS.
Trace RTD leads	Identify every two-, three- or four-wire conductor against the correct terminal diagram.
Check IS limits	Assess the 30 V and 0.9 W certificate limits in the complete approved loop.
Inspect termination	Check screw-clamp security, conductor identification and separation of IS wiring.
Verify measurement	After restoration, compare each temperature channel with a known process or test reference.

Configuration hold point

Use the RTD terminal wiring diagram and the approved intrinsic-safety assembly for the selected two-, three- or four-wire sensor.

03 Fit and reconnect

Stage	Action	Record / hold point
01 Confirm	Check the complete 8626-FT-IS marking and RTD terminal design; 8625-FT-IS is a thermocouple terminal and is a different reference.	Full label and installed-system reference recorded
02 Isolate	Follow the site hazardous-area and isolation procedure before disturbing field connections.	Site isolation confirmed before handling
03 Match	Confirm 8206-TI-IS and the C/3 mechanical key before fitting 8626-FT-IS.	Interface and configuration match confirmed
04 Connect	Identify every two-, three- or four-wire conductor against the correct terminal diagram.	Conductor or connector map checked
05 Restore	Assess the 30 V and 0.9 W certificate limits in the complete approved loop.	System limits and protection reviewed

Variant boundary

The order table names 8626-FT-IS as the IS RTD terminal; the wiring diagrams and certificate limits apply to this exact terminal.

04 Commissioning acceptance

Verification	Expected observation	If different
Identity	8626-FT-IS remains the complete installed reference	Stop and reconcile the marking
Physical fit	Check screw-clamp security, conductor identification and separation of IS wiring.	Recheck connector, terminal or panel
Functional proof	After restoration, compare each temperature channel with a known process or test reference.	Trace the affected circuit or status
System record	PAC8000 / 8206-TI-IS RTD input configuration matches the installation	Restore the recorded configuration

Recorded evidence

Retain the full marking, applicable system configuration, field check and observed result with the maintenance record.

05 Fault response and handover

Question	Review path
Does Emerson 8626-FT-IS itself convert RTD signals?	It provides the field-wiring interface; the paired 8206-TI-IS module is the temperature-input module.
How should Emerson 8626-FT-IS RTD conductors be checked?	Compare the actual sensor lead count and channel designation with the applicable terminal diagram before energizing.
What must be checked before replacing Emerson 8626-FT-IS?	Match the full terminal reference, 8206-TI-IS module, mechanical key, approved IS parameters and installed RTD wiring.

Handover

Confirm the screw-clamp terminal and tagging strip; the 8206-TI-IS module and carrier are separate items unless stated in the quotation.

Technical source

Emerson PAC8000 Remote I/O, 00813-0100-0108, February 2022; MTL Field terminals, January 2007; IECEx BAS 12.0023U

Discuss the complete reference

Emerson 8626-FT-IS

sales13@apterpower.com | +86 18030235313