

INDUSTRIAL AUTOMATION PRODUCT

133827-01

Temperature I O Module

Bently Nevada 133827-01 is the 3500/60 non-isolated RTD/thermocouple I/O module with external terminations.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3500 System
Part number	133827-01

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
part number	133827-01
host monitor	3500/60
I/O function	RTD and thermocouple input
isolation	non-isolated
termination	external termination
channel system	six-channel temperature monitoring
recorder output host	not provided by 3500/60
official publication	141540 Rev. L

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Accepts RTD and thermocouple inputs
Controlled acceptance duty	External RTD termination

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System Role and Architecture

Bently Nevada 133827-01 is the 3500/60 non-isolated RTD/thermocouple I/O module with external terminations.

FUNCTION 1

Accepts RTD and thermocouple inputs

FUNCTION 2

Uses external terminations

FUNCTION 3

Matches the 3500/60 monitor

FUNCTION 4

Provides the non-isolated I/O variant

Matched system components

- Bently Nevada 3500 System
- the documented companion module
- approved field wiring
- the controlled rack configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Accepts RTD and thermocouple inputs
Controlled acceptance duty	External RTD termination

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Applications and Engineering Context

External RTD termination

Accepts RTD and thermocouple inputs

External thermocouple termination

Uses external terminations

3500/60 channel restoration

Matches the 3500/60 monitor

Temperature I O replacement

Provides the non-isolated I/O variant

TECHNICAL NOTE

Record each sensor type, terminal, polarity and cable shield at the external termination block before replacing 133827-01.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	133827-01 / 133827-01 recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Accepts RTD and thermocouple inputs
Application test	External RTD termination

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Engineering Precautions

1

Verify the complete 133827-01 marking and its assigned Bently Nevada 3500 System position before work.

2

Place the connected external rtd termination process in the approved maintenance state.

3

Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.

4

Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.

5

Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Invensys 9662 810	Related industrial automation product	View Invensys 9662 810 page
Invensys 4000103 510	Related industrial automation product	View Invensys 4000103 510 page
Invensys 3700A	Related industrial automation product	View Invensys 3700A page
Invensys 3000510 180	Related industrial automation product	View Invensys 3000510 180 page
Invensys 9771 210	Related industrial automation product	View Invensys 9771 210 page
Invensys 9563 810	Related industrial automation product	View Invensys 9563 810 page
Invensys 3805E	Related industrial automation product	View Invensys 3805E page
Invensys 9753 110	Related industrial automation product	View Invensys 9753 110 page

MANUFACTURER SOURCE RECORD

3500/60 and 3500/61 Temperature Modules Datasheet

141540 Rev. L

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