Bently Nevada 136711-02

COMPLETE PRODUCT INFORMATION | 3500/61 internal-barrier I/O spare

Bently Nevada 136711-02 is the non-isolated RTD/thermocouple I/O assembly with internal barriers and internal terminations for a 3500/61 temperature monitor. It is an I/O spare, not the front monitor module.

01 Exact spare identity

Manufacturer spare	136711-02
Physical supply scope	Rear RTD/TC I/O assembly; front monitor and IS earthing module are separate
I/O execution	Non-isolated; internal barriers and internal terminations
Host relationship	3500/61 temperature monitor with recorder outputs

02 Functional boundary

The I/O assembly connects the approved field temperature circuits to the 3500/61 monitor. The front monitor conditions the sensor signals, evaluates alarm setpoints and provides recorder outputs. This spare does not itself constitute a complete six-channel monitor.

Sensor path

Approved RTD or thermocouple circuit to internal barrier and internal terminal.

Rack path

Rear I/O assembly to the matching front 3500/61 monitor.

Alarm path

Monitor configuration determines channel alarm behavior.

Recorder path

The 3500/61 host provides a recorder output for each of six channels.

03 Installation architecture

IS earth	A rack with internal barriers requires a dedicated 3500/04-01 IS Earthing Module.
Field segregation	Retain 50 mm separation between safe and hazardous area wiring in the approved rack layout.
Termination	External termination is unavailable for the internal-barrier version.
Rack position	Any general-purpose position is possible; check added depth and access.

04 Configuration boundaries

Software

3500 Rack Configuration Software revision 2.3 or later for internal-barrier support.

Host firmware

3500/61 firmware 1.06 E or later for internal-barrier support.

TMR topology

Internal-barrier I/O cannot be used with TMR rack options.

Channel setup

The 3500/61 host can be configured for RTD, TC or mixed inputs on its non-isolated execution.

05 Selection and exchange

Compare the complete I/O label and installed rear connector with 136711-02. Verify the matching 3500/61 front monitor, the IS earth, firmware and approved field circuit. Preserve the as-found rack configuration and wiring record before removal.

Before removal	Record host revision, rack slot, sensor wiring, alarm settings and recorder assignment.
After installation	Verify IS earth continuity, field separation, each used temperature input, alarm transition and recorder path.
Variant warning	136711-01 belongs to 3500/60; 136711-02 belongs to 3500/61. Do not substitute by suffix alone.

06 Support and provenance

A current lifecycle phase for this exact spare is not established here. Check manufacturer support and the approved installed configuration before a replacement decision. Apter Power supply terms and the actual offered assembly are confirmed in the quotation.

Technical basis: Bently Nevada 3500/04 Internal Barriers Datasheet 141495 Rev. R; 3500/60 and 3500/61 Temperature Modules Datasheet 141540 Rev. L.

Discuss the complete 136711-02 spare and installed rack revision with Apter Power.

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