# Bently Nevada 84147-01

## Complete Product Information

Bently Nevada 84147-01 is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration. It provides the relay hardware used by the selected tachometer alarm arrangement.

### PRODUCT ROLE AND VERIFIED FEATURES

**Feature 1**

Uses hermetically sealed relay construction.

**Feature 2**

Serves a compatible 3300/50 Tachometer spare configuration.

**Feature 3**

Interfaces with the monitor's configured alarm logic.

**Feature 4**

Requires the exact relay option and connector arrangement used by the installed monitor.

### VERIFIED DATA SNAPSHOT

| | |
|---|---|
| **Monitor family** | 3300/50 Tachometer |
| **Component role** | Relay module |
| **Relay construction** | Hermetically sealed |
| **Control relationship** | Operates from configured tachometer alarm logic |

### SYSTEM RELATIONSHIP

**Input condition** → **Module logic** → **Relay contact** → **Field circuit**

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# Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

| | |
|---|---|
| **Monitor family** | 3300/50 Tachometer |
| **Component role** | Relay module |
| **Relay construction** | Hermetically sealed |
| **Control relationship** | Operates from configured tachometer alarm logic |
| **Replacement rule** | Match the installed relay option and monitor execution |
| **Acceptance** | Verify contact state and configured alarm response |

## SELECTION ANCHORS

- Uses hermetically sealed relay construction.
- Serves a compatible 3300/50 Tachometer spare configuration.
- Interfaces with the monitor's configured alarm logic.
- Requires the exact relay option and connector arrangement used by the installed monitor.

| | |
|---|---|
| **IMPORTANT NOTICE** | Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check. |

## MANUFACTURER SOURCE CONTROLS

| | |
|---|---|
| **Manufacturer source** | 3300/50 Tachometer Computer/Communications Interface Manual 83871-01 |
| **Evidence boundary** | Technical statements are limited to the identified product or applicable manufacturer family. |
| **Selection control** | Use the complete ordering string and verify the installed system before purchase or installation. |

## ADDITIONAL ENGINEERING CHECKS

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|---|---|
| **How should Bently Nevada 84147-01 be tested?** | Check continuity and verify normal, alarm and reset contact states. |
| **What completes commissioning of Bently Nevada 84147-01?** | Confirm the monitor event and the response of the connected shutdown or annunciation circuit. |

# System role and architecture

Input condition → Module logic → Relay contact → Field circuit

## APPLICATION POINTS

**Alarm relay output**

Provide isolated relay contacts for a configured speed alarm.

**Tachometer maintenance**

Replace the relay module in the matching 3300/50 execution.

**Shutdown interface**

Transfer an approved alarm state to external logic.

**Annunciation**

Drive the receiving alarm circuit from the configured monitor event.

## INTEGRATION RECORD

| | |
|---|---|
| **Identity** | Record the complete marking and installed position. |
| **Mechanical interface** | Confirm mounting, support, clearance and connector engagement. |
| **Electrical interface** | Confirm signal path, shield, common and receiving-channel assignment. |
| **Configuration** | Retain the controlled channel settings and acceptance criteria. |
| **Functional evidence** | Record the expected static value, dynamic response and system status. |

The relay module must remain within its intended measurement or monitoring chain. Match its interfaces, wiring and channel configuration before returning protection to service.

## ENGINEERING REVIEW QUESTIONS

| | |
|---|---|
| **What type of component is Bently Nevada 84147-01?** | It is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration. |
| **Which monitor family uses Bently Nevada 84147-01?** | It is associated with the 3300/50 Tachometer family. |
| **What construction is used by the relays on Bently Nevada 84147-01?** | The relay contacts are hermetically sealed. |
| **What must match before installing Bently Nevada 84147-01?** | Match the installed monitor execution, relay option and connector arrangement. |

# Engineering checks and acceptance

## PRODUCT PRECAUTIONS

| | |
|---|---|
| 01 | Confirm 84147-01 and the compatible 3300/50 execution before removal. |
| 02 | Record each relay contact and external wire before disconnection. |
| 03 | De-energize both monitor and external contact circuits. |
| 04 | Match the installed relay option and connector orientation. |
| 05 | Do not change alarm logic while replacing the relay hardware. |
| 06 | Verify insulation, continuity and terminal tightness before energizing. |
| 07 | Test normal, alarm and reset contact states. |
| 08 | Confirm the receiving shutdown or annunciation circuit before release. |

## RELEASE EVIDENCE

| | |
|---|---|
| **Exact identity** | Product marking and intended system position agree. |
| **Interface condition** | Mounting, connectors, terminals and cable routing are secure. |
| **Signal response** | The expected static and dynamic behavior has been observed. |
| **Protection state** | Channel status, alarms and controlled bypass state are restored. |

| | |
|---|---|
| **IMPORTANT NOTICE** | Use the complete ordering string and verify every mating component before installation. |

## APPLICATION BOUNDARIES

| | |
|---|---|
| **Alarm relay output** | Provide isolated relay contacts for a configured speed alarm. |
| **Tachometer maintenance** | Replace the relay module in the matching 3300/50 execution. |
| **Shutdown interface** | Transfer an approved alarm state to external logic. |
| **Annunciation** | Drive the receiving alarm circuit from the configured monitor event. |

# Technical questions and related models

## MODEL-SPECIFIC QUESTIONS

| | |
|---|---|
| **What type of component is Bently Nevada 84147-01?** | It is a hermetically sealed relay module for a compatible 3300/50 Tachometer configuration. |
| **Which monitor family uses Bently Nevada 84147-01?** | It is associated with the 3300/50 Tachometer family. |
| **What construction is used by the relays on Bently Nevada 84147-01?** | The relay contacts are hermetically sealed. |
| **What must match before installing Bently Nevada 84147-01?** | Match the installed monitor execution, relay option and connector arrangement. |
| **Should alarm settings change when replacing Bently Nevada 84147-01?** | No. Preserve the controlled alarm logic unless a separate approved change is issued. |
| **Which circuits require isolation before handling Bently Nevada 84147-01?** | Isolate the monitor and every external circuit connected to the relay contacts. |

## RELATED MODELS ON APTERPOWER

| | |
|---|---|
| Bently Nevada 330104-03-09-10-02-00 | Related product reference. Review the complete ordering string before selection. |
| Bently Nevada 330104-13-20-50-02-00 | Related product reference. Compare the required interface and system position. |
| Bently Nevada 330104-15-23-50-02-00 | Related product reference. Confirm the execution independently for the intended task. |

## SOURCE AND SELECTION RECORD

| | |
|---|---|
| **Manufacturer source** | 3300/50 Tachometer Computer/Communications Interface Manual 83871-01 |
| **Evidence boundary** | Technical statements are limited to the identified product or applicable manufacturer family. |
| **Selection control** | Use the complete ordering string and verify the installed system before purchase or installation. |

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