Bently Nevada 88843-04

Installation & Commissioning Guide

Bently Nevada 88843-04 is a dual hermetic relay assembly with internal barriers for a compatible 3300 monitor configuration.

PRODUCT ROLE AND TECHNICAL FEATURES

Feature 1

Provides two sealed relay channels.

Feature 2

Includes internal barrier circuitry for the documented monitor option.

Feature 3

Converts monitor alarm logic into field-contact action.

Feature 4

Requires channel-by-channel proof testing after installation.

TECHNICAL DATA SNAPSHOT

System family	3300 monitoring system
Relay arrangement	Dual hermetic relays
Barrier arrangement	Internal barriers
Channel count	Two independent relay channels

SYSTEM RELATIONSHIP

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

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Pre-installation readiness

READINESS GATE

Identity

Compare the complete marking with the approved work order and installed record.

System match

Confirm the receiving channel, mating components and controlled configuration.

Physical condition

Inspect mounting surfaces, connectors, terminals, cable and support hardware.

Work controls

Apply authorized isolation, bypass, access and restoration procedures.

TECHNICAL PROFILE FOR THE WORK

System family 3300 monitoring system	**Relay arrangement** Dual hermetic relays
Barrier arrangement Internal barriers	**Channel count** Two independent relay channels
Output function Monitor alarm or trip contact switching	**Contact verification** Continuity and isolation test
Installation rule Match the monitor option and rear interface	**Acceptance method** Exercise both relay paths from monitor logic to field terminal

IMPORTANT NOTICE Resolve every unmatched interface, configuration or receiving-system condition before removal or installation.

DOCUMENT AND WORK CONTROLS

Manufacturer document	ApterPower product-specific technical reference
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

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Installation sequence

CONTROLLED WORK STEPS

01	Confirm the complete 88843-04 marking and the documented dual hermetic relay module with internal barriers position.
02	Place the affected machine protection channel in the approved maintenance state.
03	Record the installed system family, relay arrangement and barrier arrangement before removal.
04	De-energize the associated monitor, sensor supply or field circuit as the procedure requires.
05	Label every connector, conductor and shield before separation.
06	Inspect mating contacts, mounting hardware and cable condition before installation.
07	Restore the retained configuration and verify signal polarity and proportional response.
08	Function-test the complete alarm, indication and shutdown path before returning the machine to service.

CONNECTION RECORD

As found	Photograph and label every connection and installed orientation before removal.
Mechanical	Record mounting position, support, clearance and connector engagement.
Electrical	Record polarity, common, shield, channel assignment and cable route.
Configuration	Preserve approved settings, scaling, alarm logic and acceptance limits.
As left	Record the final physical condition and any controlled deviation.

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

WORK HOLD POINTS

Before removal	Identity, position, wiring, orientation and controlled settings recorded.
Before connection	Mating interfaces, condition and routing reviewed.
Before power-up	Mechanical work, wiring, shielding and configuration independently checked.
Before release	Static value, dynamic response and protection behavior accepted.

Commissioning and functional proof

COMMISSIONING SEQUENCE

Initial state

Observe status at power-up and check for unexpected fault or alarm indication.

Static value

Verify the expected bias, gap, loop, contact or channel value for the application.

Dynamic response

Apply the approved machine or test stimulus and confirm response and scaling.

Protection path

Verify the configured alarm, relay, data or receiving-system behavior.

APPLICATION-SPECIFIC CHECKS

Alarm annunciation

Switches remote alarm circuits.

Shutdown interface

Provides relay contacts for a controlled trip path.

Legacy monitor repair

Restores the specified relay option.

Channel proof testing

Verifies each independent contact path.

ACCEPTANCE RECORD

Identity	Complete marking and final installed position recorded.
Physical inspection	Mounting, connectors, terminals and routing checked.
Channel status	Expected status and configured measurement confirmed.
Functional test	Required output or protection response demonstrated.
Restoration	Bypasses removed and operating state approved.

COMMISSIONING QUESTIONS

Which record preserves system family for Bently Nevada 88843-04?	The documented system family is 3300 monitoring system; confirm it against the installed record.
Which relay arrangement applies to Bently Nevada 88843-04?	The documented relay arrangement is Dual hermetic relays; confirm it against the installed record.

Release record and technical references

CLOSEOUT QUESTIONS

How is barrier arrangement set on Bently Nevada 88843-04?	The documented barrier arrangement is Internal barriers; confirm it against the installed record.
What channel count belongs to Bently Nevada 88843-04?	The documented channel count is Two independent relay channels; confirm it against the installed record.
Why verify output function for Bently Nevada 88843-04?	The documented output function is Monitor alarm or trip contact switching; confirm it against the installed record.
Where is contact verification used by Bently Nevada 88843-04?	The documented contact verification is Continuity and isolation test; confirm it against the installed record.
What controls installation rule on Bently Nevada 88843-04?	The documented installation rule is Match the monitor option and rear interface; confirm it against the installed record.
How is acceptance method tested on Bently Nevada 88843-04?	The documented acceptance method is Exercise both relay paths from monitor logic to field terminal; confirm it against the installed record.

RELATED MODELS FOR INSTALLATION PLANNING

Bently Nevada 991-06-XX-01-00	Installation-planning reference. Review the complete ordering string before selection.
Bently Nevada 3300/45	Installation-planning reference. Compare the required interface and system position.
Bently Nevada 3300/47	Installation-planning reference. Confirm the execution independently for the intended task.

MANUFACTURER DOCUMENT AND FINAL CONTROL

Manufacturer document	ApterPower product-specific technical reference
Application scope	The values below apply to the identified product and its documented system relationship.
Selection rule	Use the complete ordering string and confirm the installed interfaces before selection.

IMPORTANT NOTICE	Release the equipment only after the responsible site authority accepts the recorded result.

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