

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

3500/32M

Relay Module

CONTROLLED ENGINEERING COPY

Record Alarm Drive Logic, contact state, external voltage and every terminal before replacing 3500/32M.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3500/32M
Manufacturer part	3500/32M
Hardware type	four
System family	Bently Nevada 3500 System



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 3500/32M marking and its assigned Bently Nevada 3500 System position before work.
- 2

Place the connected machine trip output 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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3500/32M / 3500/32M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Provides four DPDT relay channels
Application test	Machine trip output

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
relay channels	four
contact form	double-pole double-throw (DPDT)
programming method	Alarm Drive Logic in 3500 Rack Configuration Software
logic inputs	status and alarm states from monitored rack channels
relay independence	each channel is independently programmed
system purpose	alarm and shutdown integration
rack family	3500 machinery protection system
official publication	141533

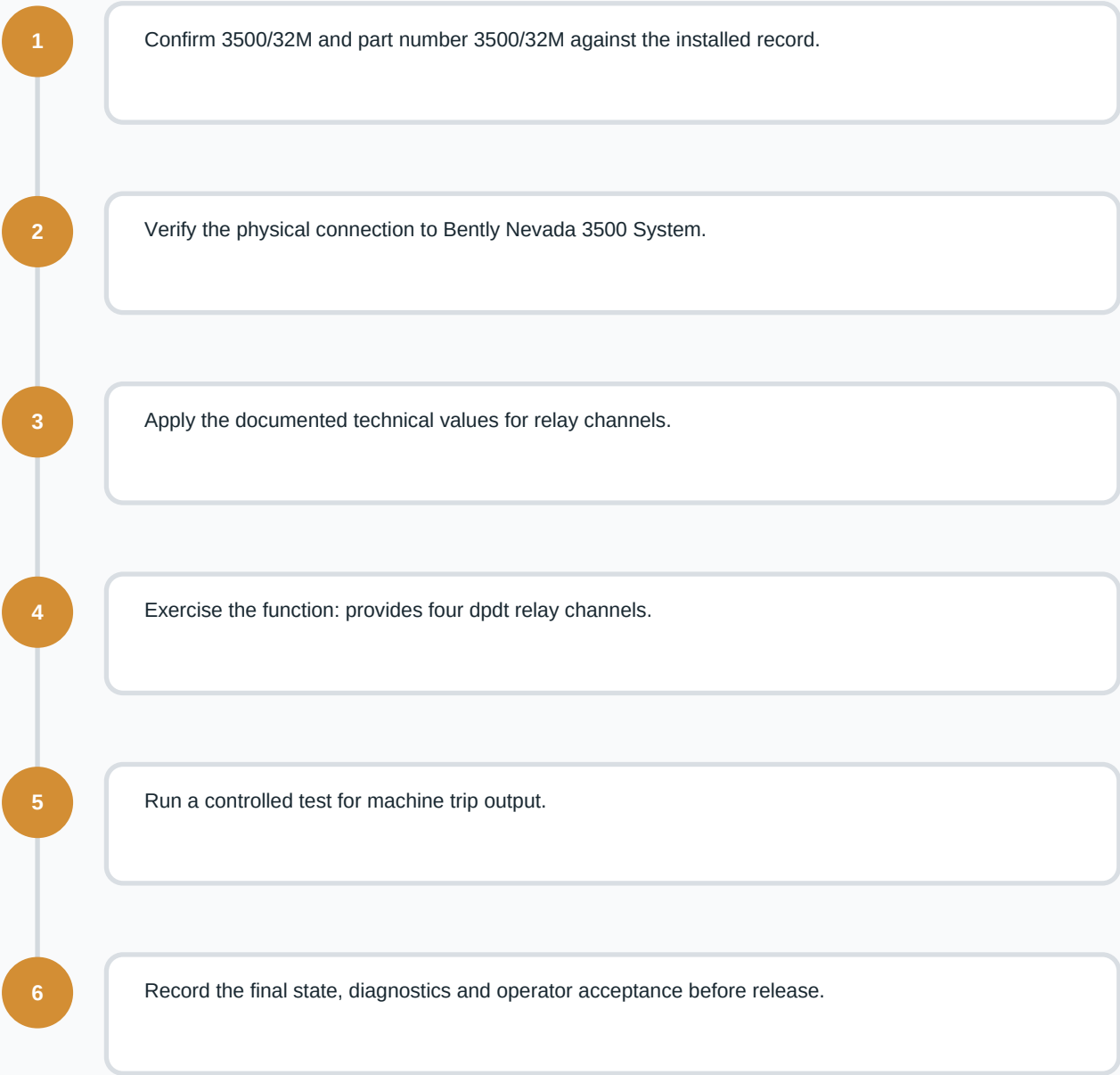
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Bently Nevada 3500 System
Companion hardware	the documented companion module
Field connection	approved field wiring
Primary system function	Provides four DPDT relay channels
Controlled acceptance duty	Machine trip output

FIELD NOTE

Record Alarm Drive Logic, contact state, external voltage and every terminal before replacing 3500/32M.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3500/32M / 3500/32M recorded
Physical interface	Bently Nevada 3500 System
Companion check	the documented companion module
Functional proof	Provides four DPDT relay channels
Application test	Machine trip output

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed Bently Nevada 3500 System and the documented companion module against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended alarm annunciation function and retain the final acceptance result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	3500/32M
INSTALLED POSITION	Documented Bently Nevada 3500 System position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Emerson PR6423 002 030	Related industrial automation product	View Emerson PR6423 002 030 page
Emerson CON021	Related industrial automation product	View Emerson CON021 page
Allen-Bradley 22B D6P0N104	Related industrial automation product	View Allen-Bradley 22B D6P0N104 page
Bently Nevada 3500 92 04 01 01	Related industrial automation product	View Bently Nevada 3500 92 04 01 01 page
Bently Nevada 3500 33 SIL2 03 01	Related industrial automation product	View Bently Nevada 3500 33 SIL2 03 01 page
Bently Nevada 3500 22M 01 01 01	Related industrial automation product	View Bently Nevada 3500 22M 01 01 01 page
Bently Nevada 3500 15 05 05 01	Related industrial automation product	View Bently Nevada 3500 15 05 05 01 page
Bently Nevada 3500 05 01 02 01 00 01	Related industrial automation product	View Bently Nevada 3500 05 01 02 01 00 01 page

SOURCE IDENTIFIERS

3500/32M 4-Channel Relay Module Datasheet
141533 Rev. V

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