

135473-01

3500/25 Keyphasor I/O Module with Internal Barriers

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 135473-01 is the 3500/25 Keyphasor I/O module with internal barriers and internal terminations. It receives the documented proximity or magnetic pickup wiring for Keyphasor timing references in a 3500 rack.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



135473-01

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm 135473-01, internal barriers and internal terminations on the module label.
- 2

Place affected machinery protection and phase-reference functions in maintenance state.
- 3

Isolate field circuits and rack power according to the approved procedure.
- 4

Record Keyphasor input, common, shield and barrier assignments.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	135473-01
Host / carrier	Bently Nevada 3500/25 Enhanced Keyphasor Module
Primary system role	Terminates Keyphasor timing-reference field signals
Acceptance boundary	Prove phase reference, diagnostics and associated monitoring response before release.
Source record	3500/25 Enhanced Keyphasor Module Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Install 135473-01 only in the documented Bently Nevada 3500/25 Enhanced Keyphasor Module arrangement and record the exact connection and configuration before removal. Restore the approved settings, then verify diagnostics and functional response before release.

- 1 Inspect terminal blocks, barrier components, grounding and rear connector.
- 2 Match the module to the assigned 3500/25 front monitor position.
- 3 Restore rack configuration and verify input polarity and event stability.
- 4 Prove phase reference, diagnostics and associated monitoring response before release.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm the complete 135473-01 marking, installed host, hardware execution, terminals or connectors, wiring, grounding, configuration, accessories and controlled commissioning results.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	135473-01
Host match	Bently Nevada 3500/25 Enhanced Keyphasor Module
Connection proof	Match the module to the assigned 3500/25 front monitor position.
Configuration proof	Restore rack configuration and verify input polarity and event stability.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Prove phase reference, diagnostics and associated monitoring response before release.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

Turbine phase-reference acquisition

Receives once-per-turn or multi-event timing signals for machinery monitoring.

3500 transient-data synchronization

Provides the rack timing reference used by configured monitoring channels.

Hazardous-area Keyphasor inputs

Maintains the approved internal-barrier arrangement for field pickup circuits.

Keyphasor I/O replacement

Restores the exact rear module while retaining channel wiring and shields.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
330101-00-20-20-02-CN	8 mm probe	View 330101-00-20-20-02-CN page
330103-00-04-10-02-00	metric probe	View 330103-00-04-10-02-00 page
330103-00-12-10-01-00	metric probe	View 330103-00-12-10-01-00 page
330104-00-04-10-02-05	armored probe	View 330104-00-04-10-02-05 page
330104-00-12-10-02-00	armored probe	View 330104-00-12-10-02-00 page
330104-03-06-10-02-00	armored probe	View 330104-03-06-10-02-00 page
330104-06-12-10-02-00	armored probe	View 330104-06-12-10-02-00 page
330105-02-12-10-02-05	reverse-mount probe	View 330105-02-12-10-02-05 page

MANUFACTURER SOURCE RECORD

3500/25 Enhanced Keyphasor Module Datasheet
Baker Hughes document 141532 Rev. Y

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



135473-01