

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB NTST01

Product Reference

ABB NTST01 sequence-of-events time-synchronization termination unit

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB NTST01
Reference number	NTST01
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ntst01>

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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

ABB NTST01 is an evidence-bounded sequence-of-events time-synchronization termination unit in the Bailey INFI 90 / Harmony Rack installed-base context. System role: It couples the time-synchronization input/output path used by INTKM01 and supported SOE architecture. System context: ABB NTST01 sequence-of-events time-synchronization termination unit.

Published field	Manufacturer-published value or verified identity note
Application	Harmony sequence of events
Time inputs / outputs	IRIG-B input; RS-485 synchronization
RS-485 rate	62.5 kbaud
Cable	Twinaxial
Cabinet-to-cabinet maximum	4,000 m in cited architecture
Server-to-farthest HCU maximum	40,000 m in cited architecture
Verification Status	Verified Exact Model Function

System function and signal path

01	System Inputs: It couples the time-synchronization input/output path used by INTKM01 and supported SOE architecture.
02	Processing: ABB specifies DC level-shift IRIG-B input, a 62.5 kbaud RS-485 synchronization path and twinaxial inter-cabinet cabling for the documented design.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ABB NTST01.

2 System documentation: Provides a source-traceable boundary for rack, network, I/O and termination records.

3 Commissioning review: Guides pre-power checks, companion-module verification and controlled functional testing.

4 Migration assessment: Separates exact-model facts from successor, sibling and family-level information.

Frequently asked questions

What is ABB NTST01?	It is an ABB sequence-of-events time-synchronization termination unit; this page is limited to the exact evidence boundary stated in the cited ABB sources.
Is the exact model identity verified?	Verified Exact Model Function.
What is its system role?	It couples the time-synchronization input/output path used by INTKM01 and supported SOE architecture.
Which system family is documented?	ABB Bailey INFI 90 / Harmony Rack installed-base architecture, subject to the exact source boundary.
Are related models automatic substitutes?	No. A sibling, SP/IN generation, repair code or evolution path is not an alias or unconditional drop-in approval.
Must the physical nameplate be checked?	Yes. Verify the model, revision, firmware and all order or repair suffixes.

Official ABB sources

ABB Harmony Sequence of Events Data Sheet	https://library.e.abb.com/public/9c60a0e5592c0245c1256d2f006010e7/WBPEEUD240008A2_-_en_Harmony_Sequence_of_Events_Data_Sheet.pdf
ABB Symphony Plus Product Catalog	https://library.e.abb.com/public/67f6b20f64d0443da36258e62a597791/2VAA005340%20en%20G%20Symphony%20Plus%20Product%20Catalog.pdf