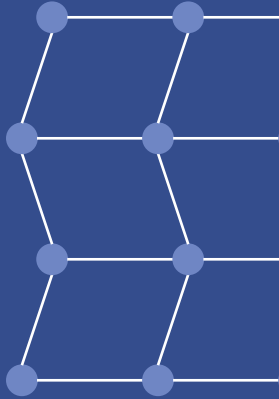


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSM04

Product Reference

ABB INFI 90 digital pulse input module



DOCUMENT SCOPE

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

Product / lookup identity	ABB IMDSM04
Reference number	IMDSM04
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ABB-Bailey-Infi-90-and-Net-90/Infi-90/imdsm04>
Apter Power contact

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Product role and published parameters

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

ABB IMDSM04 is an evidence-bounded INFI 90 digital pulse input module in the Bailey INFI 90 / Harmony Rack installed-base context. System role: It acquires pulse signals for totalization, frequency-count and pulse-count functions in the installed INFI 90 rack architecture. System context: ABB INFI 90 digital pulse input module.

Published field	Manufacturer-published value or verified identity note
Official model	IMDSM04
Module role	Pulse input / digital slave input-output module
Pulse input channels	16
Maximum documented pulse frequency	50 kHz
Documented functions	Totalization, frequency count, pulse count
Migration context	SPDSM04 - successor path, not an alias
Exact termination / voltage subrange	HOLD pending exact installed instruction

System function and signal path

01	System Inputs: It acquires pulse signals for totalization, frequency-count and pulse-count functions in the installed INFI 90 rack architecture.
02	Processing: ABB maps IMDSM04 toward SPDSM04 and later pulse-input hardware as an evolution path. That relationship is a migration boundary, not a same-hardware alias or drop-in instruction.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for ABB IMDSM04.

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 IMDSM04?	It is an ABB INFI 90 digital pulse input module; this page is limited to the exact evidence boundary stated in the cited ABB sources.
Is the exact model identity verified?	Verified Exact Model Update Existing.
What is its system role?	It acquires pulse signals for totalization, frequency-count and pulse-count functions in the installed INFI 90 rack 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 I/O evolution mapping	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchor%20Harmony.pdf
ABB official spare-parts brochure	https://library.e.abb.com/public/ce7ff1c4bdac451085597330b9fba063/9AKK107046A2102%20C%20Triple%20play%20brochure.pdf