

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSO04

IMDSO04 Evidence-Bounded Product Information Manual

ABB IMDSO04 16-channel, 24 VDC digital slave output module

DOCUMENT SCOPE

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

Product / lookup identity	ABB IMDSO04
Reference number	IMDSO04
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/imdso04>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Workflow and system context

ABB IMDSO04 is a legacy sixteen-channel digital slave output module for 24 VDC control signals in the INFI 90 and Harmony Rack installed-base evolution path. The module receives controller output commands and switches discrete field-control circuits for two-state equipment functions.

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|----|---|
| 01 | Processing: Discrete output execution with ABB-documented FC83; exact electrical topology and diagnostics remain HOLD. |
| 02 | Boundary: The DSM05 polarity and DLS limitation is scenario-specific and must not be generalized to every IMDSO04 installation. |

Published context and boundaries

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|----|---|
| 01 | Do not merge IMDSO04 with IMDSO14, SPDSO14, or any ABB service inventory form. |
| 02 | Do not import output current, topology, protection, power, or temperature from SPDSO14 or Symphony DIN DO01/DO02. |
| 03 | Apply the polarity/DLS note only to the documented DSM05-to-DSO04 replacement context. |

Verification and release checks

01	Verify the full IMDSO04 nameplate and revision; do not substitute IMDSO14 or SPDSO14 data.
02	Confirm every field circuit is a verified 24 VDC output circuit and that the load/interface rating is documented.
03	Do not publish or rely on SPDSO14 current, topology, protection, power, or temperature values as IMDSO04 values.
04	Confirm the exact termination unit, cable, polarity, commons, fusing, and field supply from approved drawings.
05	When replacing IMDSM05 with IMDSO04, follow ABB's output-wire polarity-reversal requirement and do not claim DLS support.
06	De-energize and follow site electrical-safety procedures before field-wiring work; do not assume hot removal is safe.

Identity and release controls

Verification Status	Verified Exact Model Core Identity And Evolution Mapping
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Official ABB sources

ABB Harmony evolution mapping presentation	https://library.e.abb.com/public/68e694df5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchorage%20Harmony.pdf
ABB Triple Play spare parts and services brochure 9AKK107046A2102	https://library.e.abb.com/public/ce7ff1c4bdac451085597330b9fba063/9AKK107046A2102%20C%20Triple%20play%20brochure.pdf
ABB Harmony Rack I/O Product Overview WPPEEUS240011B1	https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPEEUS240011B1_-_en_Harmony_Rack_I_O_Product_Overview.pdf