

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB IMDSO14

IMDSO14 Legacy Output Identity and Migration Verification Guide

ABB IMDSO14 Legacy 16-Channel 24 VDC Digital 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 IMDSO14
Reference number	IMDSO14
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/imdsol4>
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Controller FC83 command, IMDSO14 24 VDC output, project termination, and field circuit

ABB IMDSO14 is a legacy Harmony Rack/INFI 90 digital output module. The module translates controller discrete commands into field output states for compatible on/off circuits.

01	System Inputs: Sixteen controller discrete output commands through the installed Harmony Rack/INFI 90 I/O architecture.
02	Processing: Switches the corresponding 24 VDC output points; exact circuit topology and diagnostics remain HOLD.
03	Outputs: Sixteen documented 24 VDC discrete outputs.
04	Communications: Harmony Rack I/O architecture; no exact timing or bus-rate claim is made here.
05	Boundary: Do not use SPDSO14's 48 VDC rating, current ratings, relay capacity, or supply data as IMDSO14 specifications.

Legacy 16-point output scope without importing successor SPDSO14 electrical parameters

01	Verification Status: VERIFIED_EXACT_MODEL_FUNCTION_AND_SIGNAL_CLASS; HOLD unsupported electrical detail
02	Exact Mapping: ABB's official I/O overview identifies IMDSO14 as a digital output module, and ABB's evolution table identifies 16 outputs at 24 VDC with SPDSO14 as the HR replacement.
03	Lifecycle Status: HOLD – ABB documents SPDSO14 as the HR replacement for IMDSO14, but no exact current formal IMDSO14 lifecycle-phase statement was found

Exact label, point map, polarity, commons, load, termination, fail states, feedback, and migration delta

01	Obtain the exact installed IMDSO14 drawings and ABB instruction before service.
02	Back up controller logic, FC83 configuration, point mapping, fail states, and revision information.
03	Verify 24 VDC field supply, polarity, commons, load current, suppression, and protective devices.
04	Confirm the exact termination unit, cable, dipshunt, slot, and address; do not infer them from SPDSO14.
05	Follow site isolation, ESD, insertion/removal, and commissioning procedures.
06	Test every used output and returned field indication before release.

Identity and release controls

Verification Status	VERIFIED_EXACT_MODEL_FUNCTION_AND_SIGNAL_CLASS; HOLD unsupported electrical detail
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Official ABB sources

ABB Harmony Rack I/O Product Overview	https://library.e.abb.com/public/429d55ddf7c18f3ec1256c95006f67bc/WBPPEUS240011BI_-_en_Harmony_Rack_I_O_Product_Overview.pdf
ABB Harmony lifecycle and evolution presentation	https://library.e.abb.com/public/68e694fd1f5743ba949fbae1859ee3ac/02%20ABB%20Users%20Group%20Anchororage%20Harmony.pdf