

NRDI02

240 VAC Digital Input Termination Unit — exact-model engineering reference

Exact identity

ABB NRDI02 is a digital-input termination unit identified by the exact NRDI02 product code for 240 VAC field-input service. It provides the field termination boundary that must remain matched to the installed controller hardware and documented point schedule.

System role

A correct replacement preserves the physical termination assignment and the electrical class of every connected field circuit. Acceptance therefore depends on the installed point schedule and a controlled state change at each affected input.

FUNCTION 1

Terminates documented 240 VAC digital-input field wiring at the ABB control-I/O boundary.

FUNCTION 2

Uses the complete NRDI02 identity as the replacement and receiving-inspection key.

FUNCTION 3

Requires terminal numbers, commons and cable markers to be recovered from the installed drawings.

FUNCTION 4

Keeps unsupported channel-count, pinout and environmental values outside the product record.

MANUFACTURER EVIDENCE BASIS

- ABB NRDI02 product page
- ABB NRDI02 Product Details record

External manufacturer URLs are intentionally omitted from this document.

Verified technical parameters

Manufacturer-supported facts for the complete exact model

Product ID	NRDI02
ABB type designation	NRDI02
Product class	Digital input termination unit
Documented field class	240 VAC
Medium description	Digital input termination, 240 VAC
Selection control	Exact NRDI02 identity and installed circuit record
Companion hardware	Confirm from the installed ABB system documentation
Unsupported public values	Channel count, pinout and environmental limits are not inferred

Parameters not supported by the cited exact-model manufacturer record are intentionally omitted.

Engineering applications

Four bounded uses derived from the documented signal and system role

240 VAC status inputs

Terminates documented high-voltage discrete field signals for the matched ABB input assembly.

Legacy I/O maintenance

Restores an existing NRDI02 position while retaining the recorded terminal and cable identification.

Point-map preservation

Maintains the approved relationship between field contacts, commons and controller input addresses.

Controlled input proving

Supports point-by-point commissioning with field-state, indication and controller-diagnostic checks.

Configuration boundary

Preserve every terminal number, cable marker, common arrangement and field-voltage record. Public exact-model data does not establish a channel count or companion-module code, so those values must come from the installed drawings rather than a nearby NRDI product.

Acceptance boundary

Release NRDI02 only after every restored input passes the approved functional-acceptance record.

Model-specific technical questions

Eight distinct questions backed by the ABB source record

What is ABB NRDI02?

ABB identifies NRDI02 as a digital input termination unit for 240 VAC service.

Which field-voltage class is documented for ABB NRDI02?

The exact product record identifies 240 VAC digital-input termination service.

Is ABB NRDI02 a controller input module?

The exact description identifies it as a termination unit; confirm the separate companion input hardware from the installed system.

Can ABB NRDI02 be replaced by a similar terminal unit?

No substitution should be made without matching the exact model, keying, field-voltage class and installed wiring record.

Which terminal map applies to ABB NRDI02?

Use the cabinet drawings and point schedule for the installed NRDI02 position; the public product record does not publish a universal pinout.

How should ABB NRDI02 wiring be captured before removal?

Record every terminal number, wire marker, common arrangement and controller input address before conductors are disturbed.

What should be tested after installing ABB NRDI02?

Check insulation and conductor placement, then prove each affected input with an authorized field-state change and matching controller indication.

Which data must accompany an ABB NRDI02 order?

Provide the exact NRDI02 marking, cabinet position, companion input hardware, field-voltage class and clear terminal-unit photographs.

Related ABB control-system pages

Verified public navigation links; not parameter evidence for this model

VERIFIED RELATED ABB PRODUCT PAGES

01	ABB BC810K01 3BSE031154R1 Open verified ApterPower page
02	ABB TB811 3BSE008568R1 Open verified ApterPower page
03	ABB CI857K01 3BSE018144R1 Open verified ApterPower page
04	ABB PM866K01 3BSE050198R1 Open verified ApterPower page
05	ABB CI854AK01 3BSE030220R1 Open verified ApterPower page
06	ABB CI830 3BSE013252R1 Open verified ApterPower page
07	ABB CI840A 3BSE041882R1 Open verified ApterPower page
08	ABB CI801 3BSE022366R1 Open verified ApterPower page

MANUFACTURER EVIDENCE BASIS

- ABB NRD102 product page
- ABB NRD102 Product Details record

External manufacturer URLs are intentionally omitted from this document.

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NRD102