

NRDI02

240 VAC Digital Input Termination Unit — complete exact-model product record

Product 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.

Engineering 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.

CAPABILITY 1

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

CAPABILITY 2

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

CAPABILITY 3

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

MANUFACTURER EVIDENCE BASIS

- ABB NRDI02 product page
- ABB NRDI02 Product Details record

External manufacturer URLs are intentionally omitted from this document.

CAPABILITY 4

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

Technical data matrix

Verified product parameters without trade or logistics data

Product ID	NRD102
ABB type designation	NRD102
Product class	Digital input termination unit
Documented field class	240 VAC

Medium description	Digital input termination, 240 VAC
Selection control	Exact NRD102 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

Data discipline

Only exact-model manufacturer-supported parameters are included. Trade, logistics, weight and dimensional fields are intentionally excluded.

Applications and workflow

Four engineering uses paired with field-control steps

240 VAC status inputs

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

Legacy I/O maintenance

Restores an existing NRD102 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.

Exact identification

Confirm the exact NRD102 marking and its recorded cabinet or termination position.

Maintenance state

Place all affected 240 VAC field circuits and controlled process functions in the approved maintenance state.

Configuration capture

Record terminal numbers, wire markers, commons and controller point addresses before disconnection.

Independent acceptance

Release NRD102 only after every restored input passes the approved functional-acceptance record.

Questions and precautions

Model-specific support topics and release controls

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.

PRECAUTION 1

Confirm the exact NRDI02 marking and its recorded cabinet or termination position.

PRECAUTION 2

Place all affected 240 VAC field circuits and controlled process functions in the approved maintenance state.

PRECAUTION 3

Record terminal numbers, wire markers, commons and controller point addresses before disconnection.

PRECAUTION 4

Prove absence of hazardous voltage with the approved test method before touching field conductors.

PRECAUTION 5

Do not substitute another NRDI or digital-input terminal unit from appearance or voltage assumption alone.

PRECAUTION 6

Restore the documented conductor-to-terminal mapping and maintain the original separation and grounding scheme.

PRECAUTION 7

Exercise each affected field contact under authorization and compare local indication with controller diagnostics.

PRECAUTION 8

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

Sources, related products and contact

A traceable handoff for engineering review and procurement support

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

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