

APTER POWER PRODUCT GUIDE

NTAC-02

Pulse Encoder Interface Module

ABB NTAC-02 is a pulse encoder interface module for ACS 600 drive systems. It receives incremental encoder channels and returns speed or position feedback to the drive over an optical DDCS connection.

Manufacturer	ABB
Model	NTAC-02
Product type	Pulse Encoder Interface Module
Product family	ABB ACS 600 Drive Options
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation identity and system fit

- incremental pulse encoder
- ACS 600 NAMC control board
- DDCS optical fibers
- 24 VDC control supply

Controlled configuration

Complete model	NTAC-02
Product type	Pulse Encoder Interface Module
System family	ABB ACS 600 Drive Options

2. Wiring, configuration and commissioning

- 1 Select the encoder supply and logic level together.
- 2 Set a unique node number before network start-up.
- 3 Maintain A/B phase order and shield continuity.
- 4 Verify feedback direction at low speed before closed-loop operation.

Commissioning hold point

Important Notice: NTAC-02 encoder voltage, A/B/Z polarity, node number and optical-ring position must match the ACS 600 configuration before closed-loop control is enabled.

3. Application and functional verification

Closed-loop motor speed control

Conditions A and B quadrature encoder signals

Drive positioning feedback

Accepts a once-per-revolution index channel

Hoist and crane encoder systems

Transfers feedback over the optical drive link

High-dynamic machinery drives

Provides a selectable DDSCS node identity

Associated system components

- incremental pulse encoder
- ACS 600 NAMC control board
- DDSCS optical fibers
- 24 VDC control supply

4. Maintenance and replacement record

Which supply levels are considered by NTAC-02 logic thresholds?

The technical data gives separate logic thresholds for 15 V and 24 V encoder supplies.

How should NTAC-02 connect to the ACS 600?

Use the optical transmitter and receiver in the configured DDCS ring, normally associated with the NAMC control board.

How is NTAC-02 feedback direction commissioned?

Run the motor at low speed, compare indicated direction and swap the engineered phase assignment only under the drive procedure.

What must match when replacing NTAC-02?

Match the node number, encoder supply, A/B/Z wiring, optical path and drive application configuration.

Official source

ABB NTAC-0x/NDIO-0x/NAIO-0x Installation and Start-up Guide
https://library.e.abb.com/public/857f86693ef6f9dfc1256d2800402f36/en_ntac_ndio_naio_um_4a.pdf

ASK FOR QUOTE

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