

# **NORDIC**

## **drive** **A4.0**

**NEW**

**Control system for high performance door with optimal safety**



**Manufacturing industry**



**Supermarkets**



**Warehousing**

## Control box

New smaller control box IP 65 – more shallow for easier access.



230V battery backup mounted in the control box. Opens the door at power failure.



Information, settings and error-messages are shown in plain text and images on the graphical 4.3" full colour display.

## A4.0 improvements

- Energy-optimized vector control unit for minimal power consumption.
- Easy selection of pre-programmed functions such as traffic light control, time control, interlocking, fire alarm control, various opening heights, etc.
- Unsurpassed speed and reliability.
- The control unit is designed to meet the safety requirements according to the Machinery Directive and fulfills the Door Directive EN 13241+A2:2016.
- Built of well-proven, disturbance-resistant industrial components with guaranteed availability.
- Integrated UPS battery backup with battery alarm, as an option.
- Absolute encoder integrated in the gear box.

## Extremely user friendly

- Instructive guide at installation, service and fault finding via display.
- Extremely simple startup of the door from the display.
- No reset needed after power cut.
- Program updating made simple using USB or SD.
- Vast number of functions like traffic light control, interlink control, dual opening heights, loading bay functions, time weekday control of opening devices, etc, to be activated using the display.
- Optional UPS control unit with full control of battery level, located in the control box.



Fault log and simple fault finding by instructive pictures on the display.

# Door drive

Fast and reliable.

Advanced absolute encoder with memory (batteryless), integrated in the gear box, gives exact stop positions.



Additional photocell curtain mounted on the frame available as option. Preventing the operator from standing too close when the door opens.

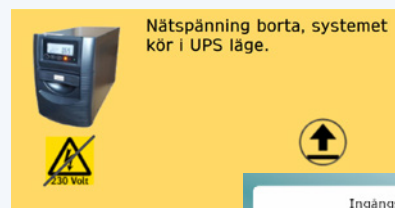


Safety photocell curtain stops and reverses the door touchless if someone/something enters the door opening.

The curtain acts over the entire opening and protects up to 2.5 m.

Service utförd:	1970/01/01
Utförare:	-
Port Cykler:	0
Nästa service inom:	0    Cykler
Eller inom:	0
Placering:	🏠
Status:	OFF
Programversion PLC:	0. 0. 0
Programversion HMI:	1. 0. 1
<a href="http://www.nordicdoor.se">www.nordicdoor.se</a> Support: 0771-100031	

Advanced door control software provides full information about the door's status via the display and enables easy selection through a large number of pre-programmed functions.



Instructive display images for information and easy activation of pre-programmed functions.





## A4.0 Advanced technology

- Control box built up of well-trying reliable industrial electric components with finger protection IP 2X.
- PLC with integrated safety relay.
- Terminals in the control box are designed for easy access. Instructive unique electrical drawings in E-plan for each port.
- 230V UPS battery backup for operating the door in the event of a power failure. The UPS unit is placed in the control box. The batteries are mounted in a smaller separate ABS box so that the batteries easily can be changed, this also by untrained personnel without risk of injury. *Optional.*
- 24V UPS battery backup (for powering alarms, etc) mounted in the control box. *Optional.*
- Fieldbus connectivity for Profinet, Profisafe, Powerlink (safety) by external Ethernet connection (Modbus is integrated). *Optional.*
- Prepared for future IoT applications. *Optional.*

## Innovative solutions for safer working environment

### Technical specifications

- Power supply input range 208-240V, single-phase, 10A (control box size 300x500x210 mm).
- Power supply input range 360-480V, three-phase 10A (Optional, control box size 400x600x200 mm).
- Temperature range 0°C to +40°C.
- Control box protection class IP 65, Motor IP 55.
- 24V (PELV) with up to 2000mA for external loads.
- Motor cables 5m as standard, other lengths optional (max 15m).
- Program updating simplified by USB or SD.
- Choice of display languages.
- Class 2 PLc or optionally PLd



**NORDIC door ab**

P.O. Box 4056 • SE-300 04 Halmstad • Sweden  
Tel: +46 (0)35 10 00 30 • E-mail: info@nordicdoor.se

[www.nordicindustrialdoor.com](http://www.nordicindustrialdoor.com)

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