

# NICE INDUSTRIAL DOORS

DISCOVER THE MANY ADVANTAGES OF THE OPTI-LIFT SHAFT DRIVE SYSTEM,  
A COMPLETE RANGE OF CONTROL UNITS AND GEARMOTORS FOR INDUSTRIAL DOORS

Nice



# THE HEART OF THE NEW NICE SOLUTIONS

RELIABLE AND VERSATILE AUTOMATIC  
CONTROL UNITS FOR INDUSTRIAL  
AND COMMERCIAL DOORS.

Keep your business on the cutting edge with Nice:  
more functions, now at your hand!



## D-PRO COMFORT

Extreme ease of connection,  
installation and use.

# NICE & ATLAS OPEN UP YOUR BUSINESS!

UNBEATABLY POWERFUL AND SAFE AUTOMATION,  
EASY TO INSTALL, PROGRAM AND USE.

Discover the many advantages of the OPTI-LIFT SHAFT drive system :  
Atlas brings the right solution for anysite demands!



Nice



# D-PRO COMFORT CONTROL UNITS

OPERA BLUEBUS

**Advanced control units for motors with mechanical and electronic limit switch, both automatic and deadman operation.**

Equipped with Nice **BlueBUS** technology and compatible with **Opera** system, for the management, programming and diagnostics of automations, also remotely.

## A practical solution:

- Quick identification of inputs/outputs
- Possibility to reprogram each connection for a different use
- 8 LEDs for diagnostics
- Pause time programming.

Complete of a dedicated output for a traffic light.

**Really simple installation**, with Nice BlueBUS system you can connect compatible accessories and safety devices, easily and quickly with just two wires.

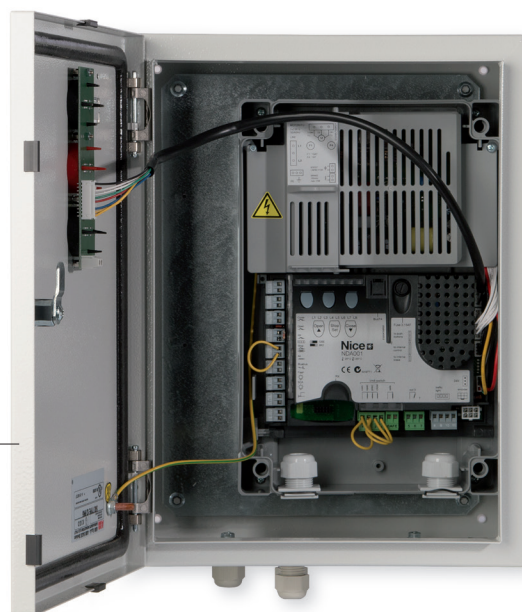
**User-friendly**: thanks to the O-View programmer (optional), it provides a graphic multi-function display interface with more configuration options available, such as modifying the opening and closing positions and changing the motor parameters.

**Safe**, the power module is protected by a plastic shell, to avoid any risk of electrical shock.

**Radio receiver**: dedicated slot to connect a Nice SMXI or OXI plug-in receiver.

**Smart**, the service warning for maintenance can be programmed according to the number of manoeuvres required.

**Lower consumption and more autonomy**, it switches over to stand-by when the system is not in operation.



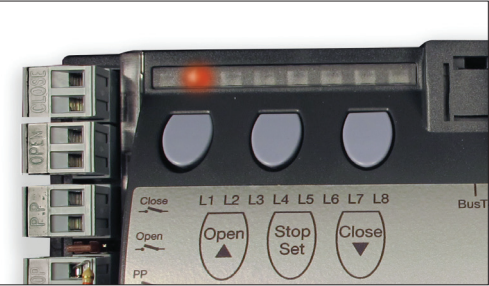
THE CONTROL UNIT IS PROTECTED BY A METAL BOX TO GIVE IT MORE STRENGTH AND SPACE. THE IDEAL SOLUTION FOR INDUSTRIAL ENVIRONMENTS, WHERE AN HIGH PROTECTION GRADE IS MANDATORY

PRACTICAL OPERATION OF THE DOOR WITH UP - STOP - DOWN BUTTONS ON THE BOX COVER



LONG-LASTING, VERY RESISTANT IN WET AND DUSTY ENVIRONMENTS

TAKE ADVANTAGE OF THE D-PRO COMFORT CONTROL UNIT



EASY PROGRAMMING WITH 3 BUTTONS AND 8 LEDES FOR DIAGNOSTICS. REMOVABLE CLAMPS, CLEARLY IDENTIFIED, FOR SIMPLER ELECTRICAL INSTALLATION.



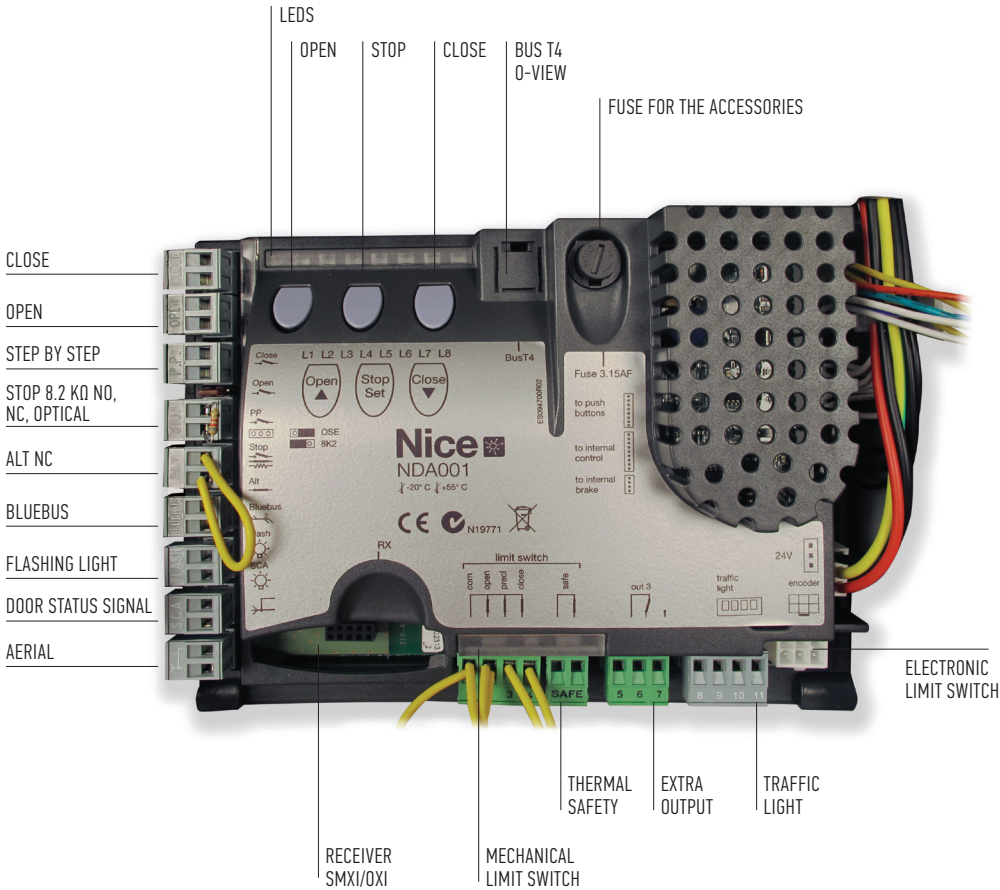
THE POSSIBILITY TO INTERACT WITH THE CONTROL UNIT BY MEANS OF THE O-VIEW PROGRAMMER, THE IMMEDIATE LEARNING PROCEDURE OF THE BLUEBUS DEVICES AND OF THE LIMIT POSITIONS GREATLY SIMPLIFY THE INSTALLER'S TASK.

D-PRO COMFORT CONTROL UNITS

CODE	DESCRIPTION	PCS./PACK
<b>NDCCS019</b>	CONTROL UNIT FOR ONE MOTOR 230 Vac, SINGLE-PHASE OR WITH INVERTER. BLUEBUS TECHNOLOGY, COMPATIBLE WITH OPERA SYSTEM	1

TECHNICAL SPECIFICATIONS

CODE	NDCCS019
POWER SUPPLY (Vac 50/60 Hz)	208/230
MAX MOTOR POWER (kW)	1.5
LOGIC UNIT POWER SUPPLY (Vdc)	24
POWER IN STANDBY	< 1 W
EXTERNAL UP, DOWN, AND IMPULSE INPUT	FREE PROGRAMMABLE
FLASHING LIGHT OUTPUT	12 V - 21 W
DOOR STATUS SIGNAL (SCA)	24 V - 10 W
TRAFFIC LIGHT OUTPUT	24 V - 10 W
SENSITIVE EDGE	OPTICAL, 8.2 KΩ ELECTRICAL AND 8.2 KΩ PNEUMATIC
BLUEBUS CONNECTION	MAX 12 BLUEBUS UNITS
EXTRA OUTPUT	ZERO POTENTIAL CONTACT (RELAY)
DC OUTPUT	24 Vdc 1A
STOP INPUT	FOR OPEN, CLOSED CONTACTS, FOR CONSTANT RESISTANCE 8.2 KΩ OR OPTICAL OSE INPUTS
OPERATING TEMPERATURE (°C)	-20 ÷ +50
PROTECTION CLASS (IP)	55
DIMENSIONS (mm)	210x125x310 h
WEIGHT (kg)	3.5





# NICE MADE-TO-MEASURE SOLUTIONS

VERSATILE AUTOMATION SYSTEMS,  
EASY TO INSTALL AND PROGRAM.

# TAKE ADVANTAGE OF THE NICE GEARMOTORS FOR INDUSTRIAL AUTOMATION

- CUTTING-EDGE GEARMOTORS WITH ADVANCED TECHNOLOGY
- NEW GEARBOXES FOR MORE RELIABLE AND DURABLE OPERATIONS
- HIGH QUALITY OF DETAIL
- CONVENIENT AND PRACTICAL SOLUTIONS
- MEETS SAFETY REQUIREMENTS
- PERFORMANCE CHARACTERISTICS COMPLIANT WITH LEADING INTERNATIONALLY RECOGNIZED STANDARDS, INCLUDING:

Directive 2004/108/EC: Electromagnetic Compatibility

Directive 2006/42/EC: Machinery Directive

EN 60335-1:2013, EN60335-2-103:2003: Safety of electrical products.



**RDFI/HDFI**  
for sectional doors



# RDFI/HDFI

**Electromechanical gearmotor for sectional doors with integrated brake, electronic limit switches, chain-operated release (KE2 series) with integrated anti-fallback device.**

## Simple installation:

the gearmotor is to be installed directly on the shaft of the sectional door (Ø 40 mm).  
Connection cables equipped with connectors simplify electrical installation.

## Compact and efficient:

torque up to 500 Nm. Speed up to 45 rpm.

## Unbeatable safety:

due to the anti-fallback safety system and the chance to connect safety devices such as optical or resistive sensitive edges (8.2 kΩ).

Gearmotors compliant with the most recent standards and directives in terms of safety and technology.

## Practical:

Chain-operated emergency release, the ideal solution for every type of application.



RDFI SERIES

## TECHNICAL SPECIFICATIONS

	RDFI-500-24	HDFI-250-45	HDFI-350-45
SHAFT Ø (mm)	40	40	40
MAX. TORQUE (Nm)	500	250	350
RATED TORQUE (Nm)	450	250	300
OUTPUT (rpm)	24	45	45
MOTOR POWER (kW)	2.2	1.5	2.2
LIMIT SWITCH RANGE	40		
POWER SUPPLY (V-Hz)	1x230 V - 50 Hz		
DUTY CYCLE	S3-60%		
OPERATING TEMPERATURE (°C)	-5 : +40		
NOISE dB(A)	<70		
PROTECTION RATING (IP)	54		
WEIGHT (kg)	38	35	38

Gearmotors with integrated anti-fallback device, independent of speed and position.

## MAX. SECTIONAL WEIGHT (Kg):

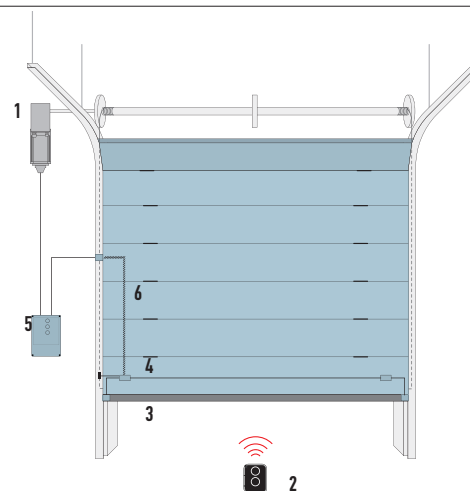
Capacity and speed of springless door operator				
	Lifting Cap (Drum = 6")	Speed Inches Per Second (Drum = 6")	Lifting Cap (Drum = 8")	Speed Inches Per Second (Drum = 8")
RDFNI-500-24	446 kg	8-10" - / Sec	334 kg	11-15" - / Sec
HDFI-250-45	223 kg	15-20" - / Sec	167 kg	24-30" - / Sec
HDFI-350-45	334 kg	15-20" - / Sec	251 kg	24-30" - / Sec

The table applies only to section bars with a single wall (thickness 20 mm). The dimensions must be taken into account for the winding if section bars with double wall, with greater thickness or higher are used. In this case higher torque applies after 1-2 turns.

A 20% friction loss is considered for the normal sectional doors in the table.  
It is generally advisable to check the door proportions when there are coverings, section bars with double wall, doors higher than normal or in the case of

particular entry situations that could require other force ratios or cause additional friction losses (e.g. doors that are wider than the height), for example.

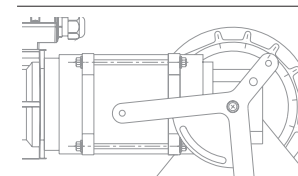
## INSTALLATION DIAGRAM



## SECTIONAL DOORS

1. RDFI GEARMOTOR 2. TRANSMITTER 3. SENSITIVE EDGE  
4. CONNECTOR BLOCK 5. CONTROL UNIT 6. SPIRAL CABLE

## MANUAL OPERATION



CHAIN-OPERATED MANOEUVRE  
(KE2 Series)







NICE IS THE SIMPLEST INTEGRATION/  
THE WIDEST RANGE/THE BEST CONTROL  
ELECTRONICS/THE FINEST DESIGN/THE MOST  
AMAZING AUTOMATION ALL TOGETHER!



**PD DOOR  
SYSTEMS**



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products and services on the website:  
[www.niceforyou.com](http://www.niceforyou.com)



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Using natural paper it avoids excessive use  
of raw materials and forest exploitation.  
Waste is reduced, energy is saved  
and climate quality is improved.



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