

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.

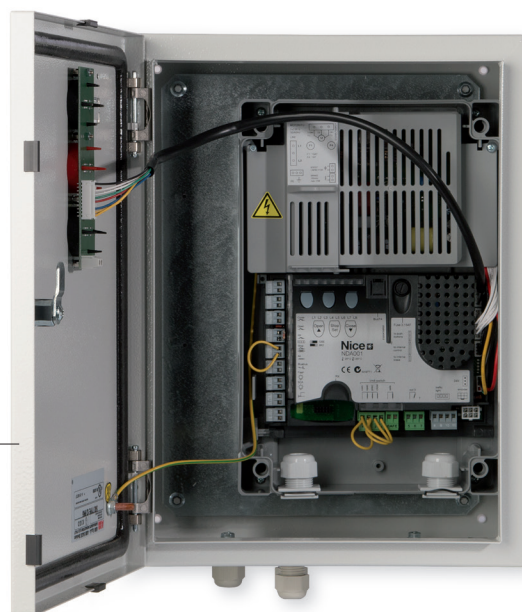
User-friendly: thanks to the O-View programmer (optional), it provides a graphic multi-function display interface with more configuration options available, such as modifying the opening and closing positions and changing the motor parameters.

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.



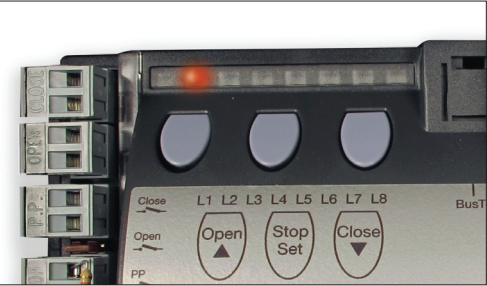
THE CONTROL UNIT IS PROTECTED BY A METAL BOX TO GIVE IT MORE STRENGTH AND SPACE. THE IDEAL SOLUTION FOR INDUSTRIAL ENVIRONMENTS, WHERE AN HIGH PROTECTION GRADE IS MANDATORY

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 LEDS FOR DIAGNOSTICS. REMOVABLE CLAMPS, CLEARLY IDENTIFIED, FOR SIMPLER ELECTRICAL INSTALLATION.



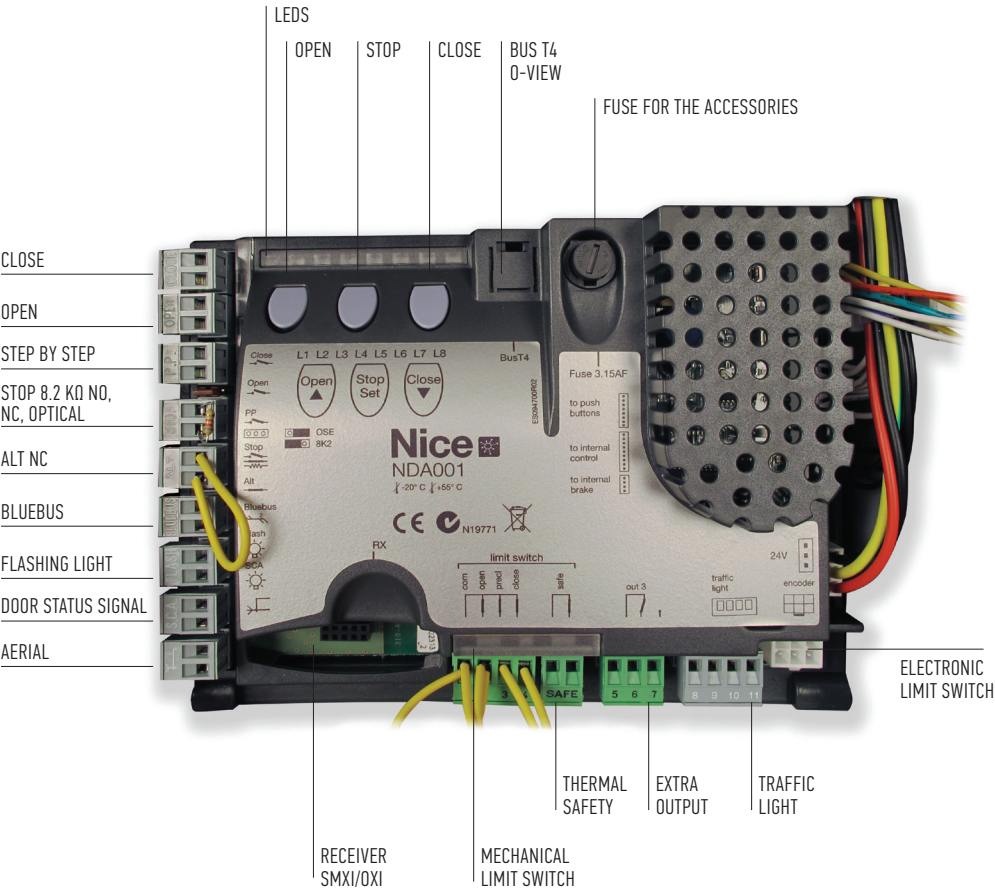
THE POSSIBILITY TO INTERACT WITH THE CONTROL UNIT BY MEANS OF THE O-VIEW PROGRAMMER, THE IMMEDIATE LEARNING PROCEDURE OF THE BLUEBUS DEVICES AND OF THE LIMIT POSITIONS GREATLY SIMPLIFY THE INSTALLER'S TASK.

D-PRO COMFORT CONTROL UNITS

CODE	DESCRIPTION	PCS./PACK
NDCCS019	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):

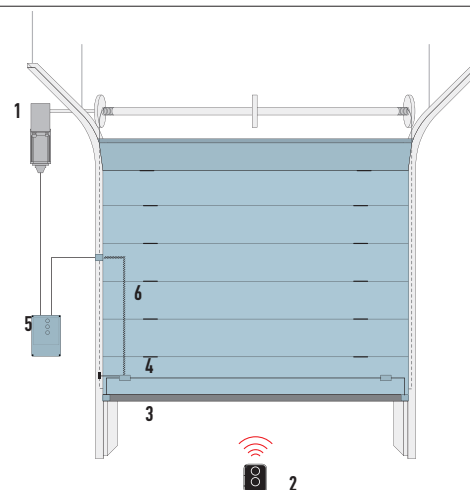
Capacity and speed of springless door operator				
	Lifting Cap (Drum = 6")	Speed Inches Per Second (Drum = 6")	Lifting Cap (Drum = 8")	Speed Inches Per Second (Drum = 8")
RDFNI-500-24	446 kg	8-10" - / Sec	334 kg	11-15" - / Sec
HDFI-250-45	223 kg	15-20" - / Sec	167 kg	24-30" - / Sec
HDFI-350-45	334 kg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

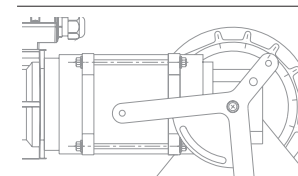
INSTALLATION DIAGRAM



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)



ELECTRICAL ACCESSORIES

SBA, automatic adjustment sensor of the lower limit switch position.

Only for electronic limit switch versions.

Smart: Patented solution that automatically changes the lower limit switch position in the case of flooring modifications or defective door closings due to wear or other reasons.



NDA012



920091000010
NDA011



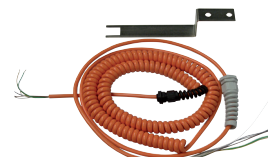
NDA013



NDA010



920132111001



920081155516



920811000010



920821000010

Precise: The new position is recorded in the control unit and reproduced upon the next door movement

Flexible: It operates combined with all Nice Industrial motors and D-Pro series control units (no additional modules needed).

CODE	DESCRIPTION
NDA012	SBA SENSOR WITH CONNECTOR BLOCK AT FASTENING DOOR WITH REMOVABLE TERMINALS

CODE	DESCRIPTION
920091000010	CONNECTOR BLOCK FASTENED ON THE DOOR, WITHOUT BOARD, WITH 16 mm FRONT HOLE
NDA011	CONNECTOR BLOCK FASTENED ON THE DOOR FOR SENSITIVE EDGE (PHOTOCELLS) AND SPIRAL CABLE CODE 920081155516 CONNECTION, WITH 16 mm FRONT HOLE
NDA013	CONNECTOR BLOCK FASTENED ON THE DOOR FOR CONNECTING SAFETY DEVICES PROTECTING AGAINST POSSIBLE CABLE BREAKS (FOR SECTIONAL DOORS)
NDA010	CONNECTOR BLOCK FASTENED ON THE DOOR WITH INTEGRATED PNEUMATIC SWITCH AND USED FOR PNEUMATIC SAFETY BARS

CODE	DESCRIPTION
920132111001	PAIR OF PHOTOCELLS WITH Ø 11.5 mm FOR OPTICAL SENSITIVE EDGE, 11.5 TO 22 mm ADAPTER INCLUDED. FOR DOORS UP TO 7 m OF WIDTH (CABLES FOR CONNECTING LENGTH OF 10.5 m - 1 m)
920081155516	5-WIRE COUPLING SPIRAL CABLE WITH EXTENSION FROM 0.8 TO 1.6 m, FOR OPTICAL OR SENSITIVE EDGE CONNECTION
920811000010	CYLINDRICAL SAFETY SWITCH TO PROTECT AGAINST POSSIBLE CABLE BREAKS (FOR SECTIONAL DOORS)
920821000010	SAFETY SWITCH TO PROTECT AGAINST POSSIBLE CABLE BREAKS OR SLACKENING

ERA ONE

The system includes 1, 2, 4 and 9 channel transmitters and prewired receivers with connector, with and without built-in transmitter.

433.92 MHz rolling code, with management of Identity Codes and Certificates, self-learning and built-in proximity receiver; with 72 bit O-Code encoding, also compatible with receivers with Nice FLOR encoding.

Evolved: uses data processing and recognition systems that increase its degree of security and deliver a threefold reduction in automation response times.

Easy memorisation, even at a distance, thanks to Opera receivers.



ERA ONE TRANSMITTERS

CODE	DESCRIPTION	PCS/PACK
FL01R-S	1 CHANNEL	10

TECHNICAL SPECIFICATIONS

CARRIER FREQUENCY	433.92 MHz \pm 100 KHz
ESTIMATED RANGE	150 - 200 m with a tuned aerial in a free area
CODING	digital 52 bit (4.5 million billion combinations)
POWER SUPPLY	12 Vdc + 20% - 40% with 23 A battery
AVERAGE ABSORPTION (mA)	25
DIMENSIONS (mm)	72x40x15 h

433.92 MHz RECEIVERS, WITH OPERA SYSTEM FUNCTIONS

WITH CONNECTOR	CODE	DESCRIPTION	PCS/PACK
	OXI	4 CHANNELS, WITHOUT BUILT-IN TRANSMITTER	1
	OXIT	4 CHANNELS, WITH BUILT-IN TRANSMITTER	1

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

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products and services on the website:
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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