AUTOMATION FOR INTERNAL SWING DOORS

NEXT

REF. MIC870

Our new
LESS is MORE
philosophy

nestor company

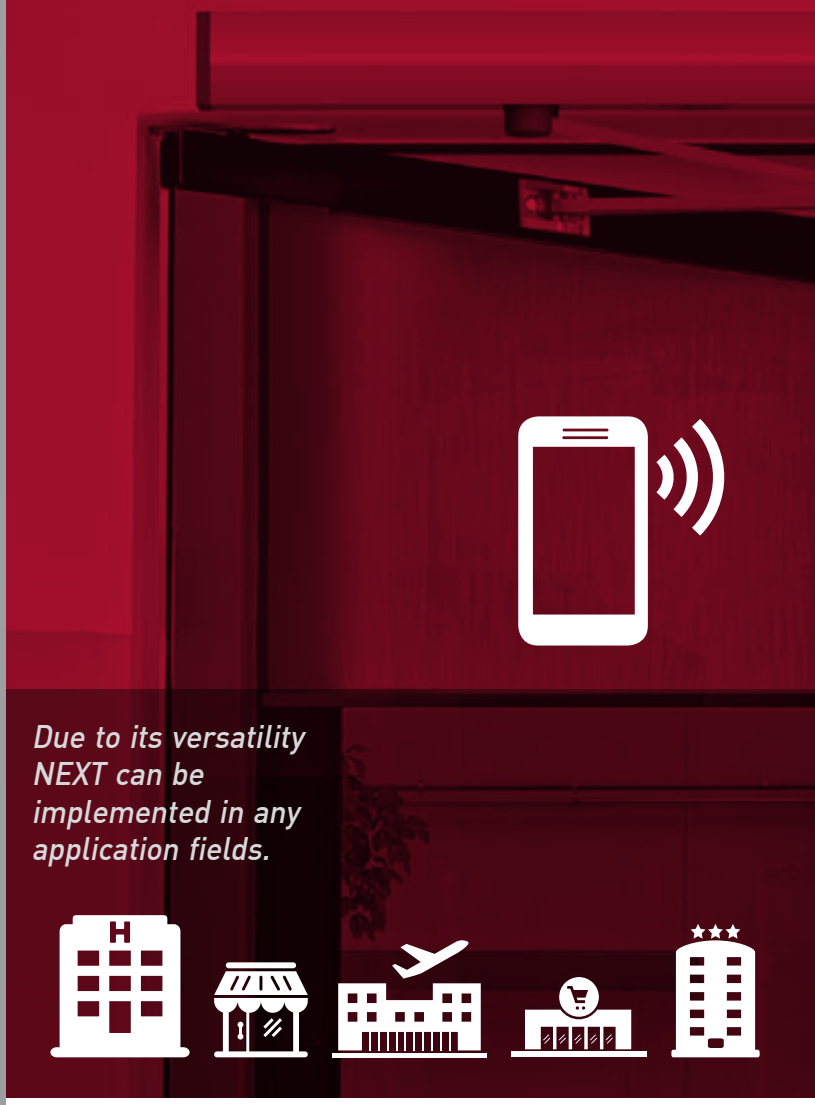
NEXT

elegance

Easy & Fast System

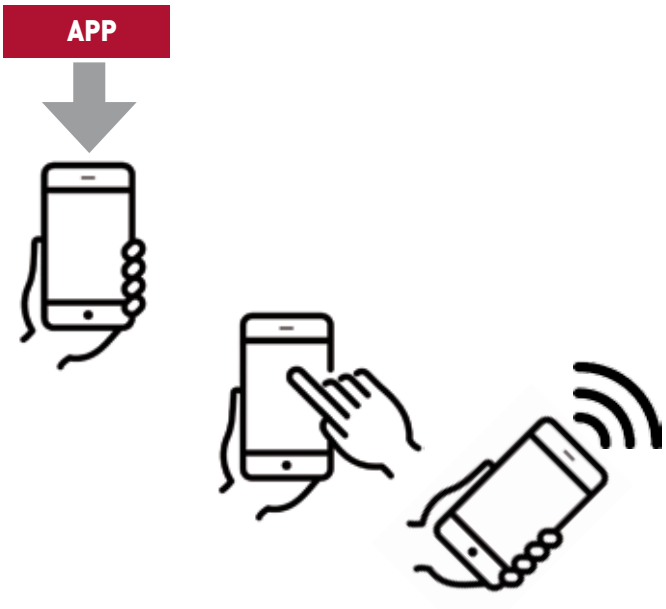
Reliability

Design



Due to its versatility NEXT can be implemented in any application fields.

LESS energy consumption



LESS issues

Our new

MORE is philosophy

AUTOMATION FOR INDOOR SWING DOORS

The automation NEXT 75 has been designed to control opening and closing of swinging doors in indoor environments featuring absolute quietness and fluidity of motion. The automation NEXT 75 ensures maximum safety for the user and complies with the European standard EN 16005.
NEXT 75 can drive doors with maximum weight of 75 kg for a length of 1000 mm.
The covering guard is made of anodized aluminium that enhances the look of the automation, the extremely small dimensions (only 60 mm of height for mounting on the door transom) make NEXT 75 suitable for every type of indoor environment.
The arms which control the motion of the leaf are of two types, pull-type with sliding track and push-type (articulated), both featuring a slim and elegant design.
Inside the automation NEXT 75 there is a brushless motor with encoder that ensures very low wear due to the absence of brushes and durability over time, an electronic control unit with latest generation components, to provide excellent performance and reliability and a switching power supply to ensure efficiency and low power consumption.
On request it is available the built-in emergency battery to ensure the operation of the automation in case of blackout.
Door opening can be controlled by sensors, radio control, or by a simple touch in push & go mode. The door can also be used manually with the possibility of reclosing thanks to the virtual spring function.
Door motion is safe thanks to the encoder which detects with precision the position of the door and immediately reverses the motion of the door in the event of an obstacle.
The safety sensors to be installed on the leaf are monitored by the electronic control unit at the beginning of each cycle, as required by the standard EN 16005.
NEXT 75 can also be used in low energy operation.
For automation commissioning, the installer must use the digital programmer. In a few simple steps he can setup the automation and select the desired functions.
Alternatively, it is possible to setup NEXT 75 also by means of the new NFC digital keyboard that allows interfacing and data exchange via a smartphone using the new Label app.

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APP AUTOMATION SETTING

With our simple and intuitive new app for smartphones and tablets, we are opening new frontiers in the way users manage LABEL's new automations.
Simply download the app onto your NFC-equipped device and you will be able to start up the automation system, adjust the operational parameters, access the Information section to read the Events Log and save the automatic door's settings in your device's own memory. Once the settings have been input using your mobile device, the data is uploaded into the memory of the automation control unit in a rapid and completely secure fashion, simply by bringing the device into proximity with the T-NFC keypad.

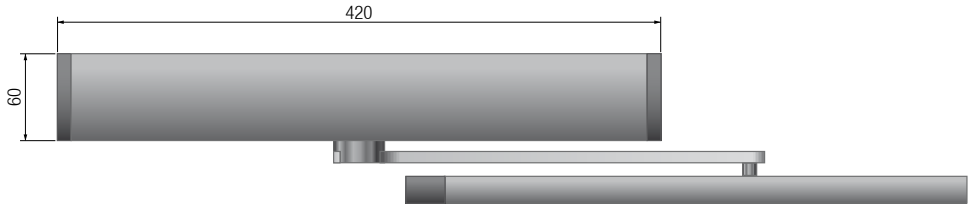
T-NFC DIGITAL KEYPAD

New compact (100 x 45 mm) digital keypad with elegant design.
The keypad is directly linked to the automation control unit through an RS485 communication system.
No.5 capacitive touch sensor buttons allow users to interact with the keypad, which is equipped with a highly intuitive graphic interface.

SCHEDA TECNICA - *TECHNICAL DATA SHEET*

NEXT

MODELLI NEXT	*NEXT MODELS*	NEXT 75 REF. MIC870
Dimensioni automazione (LxHxP)	*Dimensions (LxHxW)*	420x60x74 mm
Peso massima anta	*Maximum weight of the leaf*	75 kg
Larghezza massima anta	*Maximum width of the leaf*	1000 mm
Angolo massimo di apertura	*Maximum opening angle*	110°
Alimentazione	*Power supply*	115 - 230Vac 50/60Hz
Potenza massima	*Max. Power*	*70W*
Potenza in stand-by	*Stand-by power*	*5 W*
Motore elettrico	*Motor*	*Motore brushless 24Vdc con encoder / 24Vdc Brushless motor with encoder*
Frequenza di utilizzo	*Frequency of use*	100%
Carico max accessori esterni	*Max load of external accessories*	0,5A 24Vdc
Uscita per elettroserratura	*Output for electric lock*	Relè con contatto N.O. / N.C. / *Relay with N.O. / N.C. contact*
Grado di protezione	*Protection class*	IP 32
Temperatura ambientale	*Operating temperature*	-15°C +50°C
Funzionamento senza corrente	*Operation without current*	con batteria incorporata (opzionale) / *with built-in battery (optional)*
Velocità di apertura	*Opening speed*	regolabile da 4s a 12s / *adjustable*
Velocità di chiusura	*Closing speed*	regolabile da 4s a 12s / *adjustable*
Tempo di pausa	*Pause time*	regolabile da 0,5s a 60s / *adjustable*
Tempo di pausa disabili	*Pause time (disabled people)*	regolabile da 0,5s a 60s / *adjustable*



CARATTERISTICHE TECNICHE

- **Ingressi**
  Radar interno ed esterno di apertura
  Open (per aprire la porta in tutti i programmi di lavoro)
  Sensore di sicurezza in apertura e chiusura

- **Uscite**
  Elettroserratura per gestione elettroincontro/elettromagnete
  Uscita di segnale open collector per segnalazione stato porta/manutenzione
  Segnale di test per sensori di sicurezza come previsto dalla normativa EN 16005

- **Selettori di programma**
  Per l'impostazione del programma di lavoro dell'automazione NEXT 75 da parte dell'utente, possono essere utilizzati i seguenti dispositivi:
  - Selettore manuale a 3 posizioni incorporato nell'automazione
  - Tastiera digitale a rilevamento tattile T-NFC oppure il programmatore digitale.

- **Funzioni e regolazioni**
  - Gestione elettroincontro /elettromagnete
  - Selezione del funzionamento in batteria in mancanza di corrente
  - Funzione passo passo
  - Funzione interblocco tra due porte
  - Funzione per disabili
  - Push & go per l'apertura della porta con una leggera spinta sull'anta
  - Wind stop per contrastare la forza del vento
  - Funzione molla virtuale per richiudere la porta dopo un'apertura manuale
  - Distanza di rallentamento alla fine della manovra regolabile

TECHNICAL FEATURES

- ***Inputs***
  Internal and external opening radar
  Open (to open the door in all operating programs)
  Opening and closing safety sensor

- ***Outputs***
  Electric lock to manage electric strike / electromagnet
  Open collector signal output to signal door state/maintenance
  Test signal for safety sensors as provided for by the standard EN 16005

- ***Program switches***
  The user, in order to set the work program of the automation NEXT 75, can use the following devices:
  - Manual 3-position switch onboard the automation
  - Touch digital keyboard T-NFC or digital programmer

- ***Functions and adjustments***
  - Management of electric strike/electromagnet
  - Selection of battery operation in case of blackout
  - Step-by-step function
  - Function of interlock between two doors
  - Function for disabled people
  - Push & go to open the door with a slight push on the leaf
  - Wind stop to oppose the force of the wind
  - Virtual spring function to close the door after manual opening
  - Adjustable slowing down distance at the end of the motion

Reliability

elegance

Design

Easy & Fast System

THE ADVANTAGES OF NEXT

	LESS	MORE
Centralina elettronica con alimentazione switching *Electronic control unit with switching power supply*	Consumo di energia elettrica *Electricity consumption*	Efficienza e risparmio economico *Efficiency and economic savings*
Motore Brushless *Brushless Motor*	Usura per l'assenza delle spazzole *Wear, thanks to the absence of brushes*	Durabilità *Durability*
Nuova tastiera digitale touch con NFC *New digital touchscreen keypad with NFC capability*	Spazio occupato *Space occupied*	Innovazione ed eleganza *Innovation and elegance*
App LABEL per smartphone e tablet *LABEL app for smartphones and tablets*	Tempo per configurare l'automazione *Time spent setting up automation*	Semplicità e funzionalità *Simplicity and functionality*

CERTIFICAZIONI	*CERTIFICATION*
Direttiva compatibilità elettromagnetica EMC 2014/30/UE (Test report EMC_120283-3)	*Electromagnetic Compatibility EMC 2014/30/UE (Test report EMC_120283-3)*
Norma EN 61000-6-2 / EN 61000-6-3	*EN 61000-6-2 Standard / EN 61000-6-3 Standard*
Direttiva bassa tensione LVD 2014/35/UE (Test report SAFTR_120284-3)	*Low Voltage Directive LVD 2014/35/UE (Test report SAFTR_120284-3)*
Norma EN 60335-2-103	*EN 60335-2-103 Standard*
Direttiva macchine 2006/42/CE (Test report MACTR_120699-4)	*Machinery Directive 2006/42/CE (Test report MACTR_120699-4)*
Norma EN 13849-1 / EN 13849-2	*EN 13849-1 Standard / EN 13849-2 Standard*
Categoria=2, PL=d	*Category=2, PL=d*
EN 16005	*EN 16005*

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