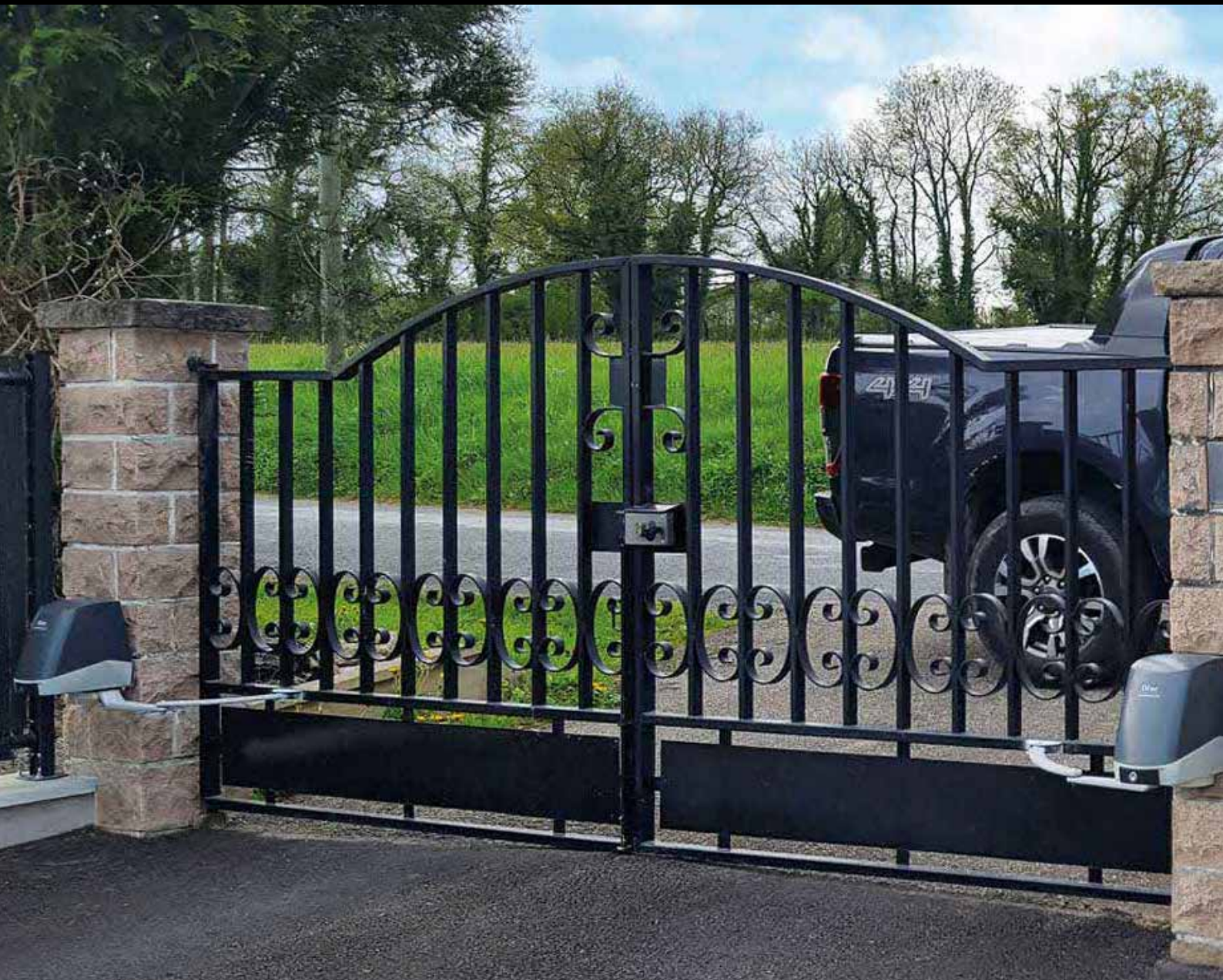


**Steeline** | **FNW**

# Ditec

automation for swinging gates



**Ditec**  
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# Why have Steeline FNW teamed up with Ditec for automation solutions across our range of gates and garage doors?



**INTELLIGENT**



**SAFE**



**VERSATILE**

Ditec PWR is the range of automations for swing gates in residential, condominium and industrial applications. All the motors are designed and developed to ensure quality and strength, while making installation and maintenance easy. A complete series made up of: a motor for wings up to 2.5 m (Ditec PWR 25), a motor for wings up to 3.5m (Ditec PWR 35) and four motors for wings up to 5 m (Ditec PWR 50 series), three at 24 Vdc and one at 230 Vac.

## Ditec PWR 25

For wings up to 2.5 m

## Ditec PWR 35

For wings up to 3.5 m



## SIMPLIFIED

installation

- **Automation system includes asymmetric mechanical opening and closing stops**, for precise stop adjustment
- **One-handed installation:** the hexagonal bolt mark avoids the usage of a second tool and makes the fixing of the actuator on the column easier
- **Pre-drilled brackets** for fast installation, with **robust bushings** for a better distribution of the forces on the front connection pin

Hexagonal bolt mark



Asymmetric mechanical stop for accurate adjustment

## THE RIGHT AUTOMATION SYSTEM

for all applications

- Set-up for **remote manual release**, useful when the automation system cannot be reached during an emergency (e.g. Automation system on single full wing, stuck opening against the wall)
- Set up for magnetic **limit switch** (only on PWR35H) for accurate speed adjustment during opening and closing
- Ideal solution for applications requiring **fast opening and closing**: 10sec at 90° for Ditec PWR 25 and 14sec at 90° for Ditec PWR 35

Magnetic limit switch for PWR35H





## Ditec ZEN the transmitter suitable for every need

Ditec ZEN is the new line of 2 channel and 4 channel remote controls.

The transmitters are available in various colours and in two operating frequencies, 433.92 MHz or 868.35 MHz.

Each transmitter is ready to transmit using various protocols: Ditec rolling code, fixed code, Dip Switch, and the new AES 128-bit Encrypted mode and Protected mode protocols. Guaranteed compatibility with existing Ditec receivers and installations.

The remote control can be configured in standard mode either by means of acquisition from the receiver or by cloning a pre-programmed transmitter, but further additional functionality is available thanks to the ZENPAD programming unit and the ZEN MANAGER software.

### Maximum protection

The transmitters are ready to transmit an AES 128-bit encrypted signal that is suitable for safety applications, making it impossible to clone.



### Technical features

- Radio transmitters with 2 channels or 4 channels
- Different colors: Black, White, Blue, Green, Red, Yellow, Black with chrome insert, Dark grey with chrome insert
- Versions with 433.92 MHz or 868.35 MHz frequency
- Rolling code with over 4 billion combinations
- Fixed code versions compatible with MM53200 protocol and other remote controls with dip switches



### Photocells

Ditec Photocells are safety devices using modulated infra-red ray. These devices which operate on a double relay system, are compliant with the most stringent technical standards as required by applicable regulations. They are reliable over time and simple to install thanks to a different design that adapts to all types of installation.

Designed with elegant and clean lines, this line of product is suitable for any type of frame, both modern or traditional, residential or industrial.

## Radio digital combination keypad

Radio digital keypad 4-Ch to control the automation using 4 customisable numeric codes. Two power supply options: with 9V DC battery or through connection to 24V DC electrical control panel.

- The signal is transmitted to the control panel using one of the Ditec radio protocols: fixed code, rolling code, AES-128bit Encrypted, PROTECTED Mode
- Possibility of configuration using ZEN Pad and ZEN Manager software
- 433.92 MHz (AXK4) and 868.35 MHz (AXK4P) versions
- Back-lit keypad and integrated light for status signals

AXK4 and AXK4P can be mounted on a die-cast aluminium vertical mounting of height h=1000 mm or on a wall.

This accessory aesthetically match other system accessories (AXP2 photocells, AXR7 transponder technology control device with proximity control, etc.) guaranteeing a well-coordinated design.



## Specific Accessories



- ▶ **Installation mounting tool** for fast installation of the actuators



- ▶ **Magnetic limit switches**
  - ▶ for PWR35H
  - ▶ for PWR50H and PWR50HR



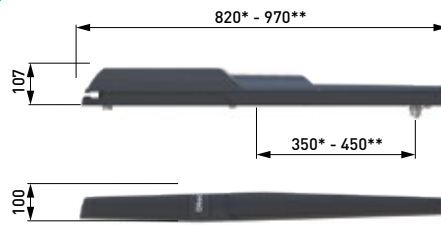
- ▶ **Limit switch** in opening and closing for PWR50AC motor



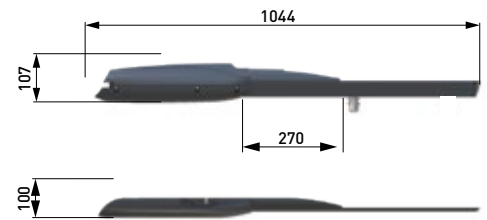
- ▶ **Internal mechanical limit stop** for PWR50 series



- ▶ **Remote manual release** for PWR25H and PWR35H



\*Ditec PWR25H - \*\*Ditec PWR35H



Ditec PWR50H - Ditec PWR50HV  
Ditec PWR50HR - Ditec PWR50AC

## TECHNICAL FEATURES

DESCRIPTION	PWR25H	PWR35H
Electromechanical actuator	irreversible for up to 2.5 m wide wing	irreversible for up to 3.5 m wide wing
Stroke control	mechanical stop	mechanical stop (magnetic limit switch optional)
Maximum capacity	400 kg x 1.5 m 200 kg x 2.5 m	600 kg x 1.75 m 250 kg x 3.5 m
Power absorption	24 Vdc	24 Vdc
Maximum power	5 A	5.5 A
Power input	55 W nom. / 120 W max	65 W nom. / 132 W max
Thrust	2000 N	3000 N
Opening time	10÷60 s / 90°	14÷80 s / 90°
Max travel	350 mm	450 mm
Actuator maximum opening	110°	110°
Intermittent operation	30 consecutive cycles at 20°C	50 consecutive cycles at 20°C
Service index	frequent tested up to 150,000 cycles	intensive tested up to 300,000 cycles
Release system for manual opening	key-operated	key-operated
Operating temperature	-20°C ÷ +55°C (-35°C ÷ +55°C with NIO enabled)	-20°C ÷ +55°C (-35°C ÷ +55°C with NIO enabled)
Protection level	IP44	IP44
Weight (kg)	7.8	9
Control panel	LCU30H - LCU30HJ LCU40H - LCU40HJ*	LCU30H - LCU30HJ LCU40H - LCU40HJ*

\*J version for 120 Vac power supply

## EXAMPLE OF INSTALLATION

