



Ditec automation for gates and automatic barriers

EN

Ditec Cross

A full range of products, for any type of service

Ditec Cross 18-19

For sliding gates weighing up to 1800 kg

They are ideal for heavy service (commercial and industrial entrances)

- Gear motors with three different limit switch working alternatives
- Easy key lock release through removable cover opening
- Ditec Cross 18VE with built-in radio
- Rugged and powerful motor
- Wide range of accessories to meet various operational requirements.

Ditec Cross 18-19



Ditec Cross 30

Rugged, powerful, suitable for gates up to 3000 kg

They are ideal for intensive service (community and industrial entrances)

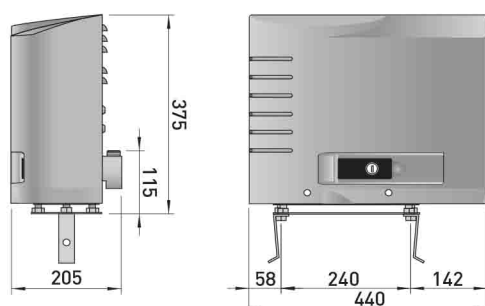
- Trouble-free installation
- Magnetic limit switch
- System housed in a robust steel cabinet
- Functional and large front removable cover for easy access to components
- Built-in electronic control panel.

Ditec Cross 30

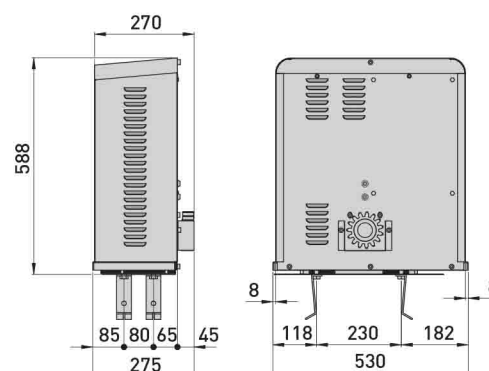


Dimensions

Cross 18 - Cross 19



Cross 30

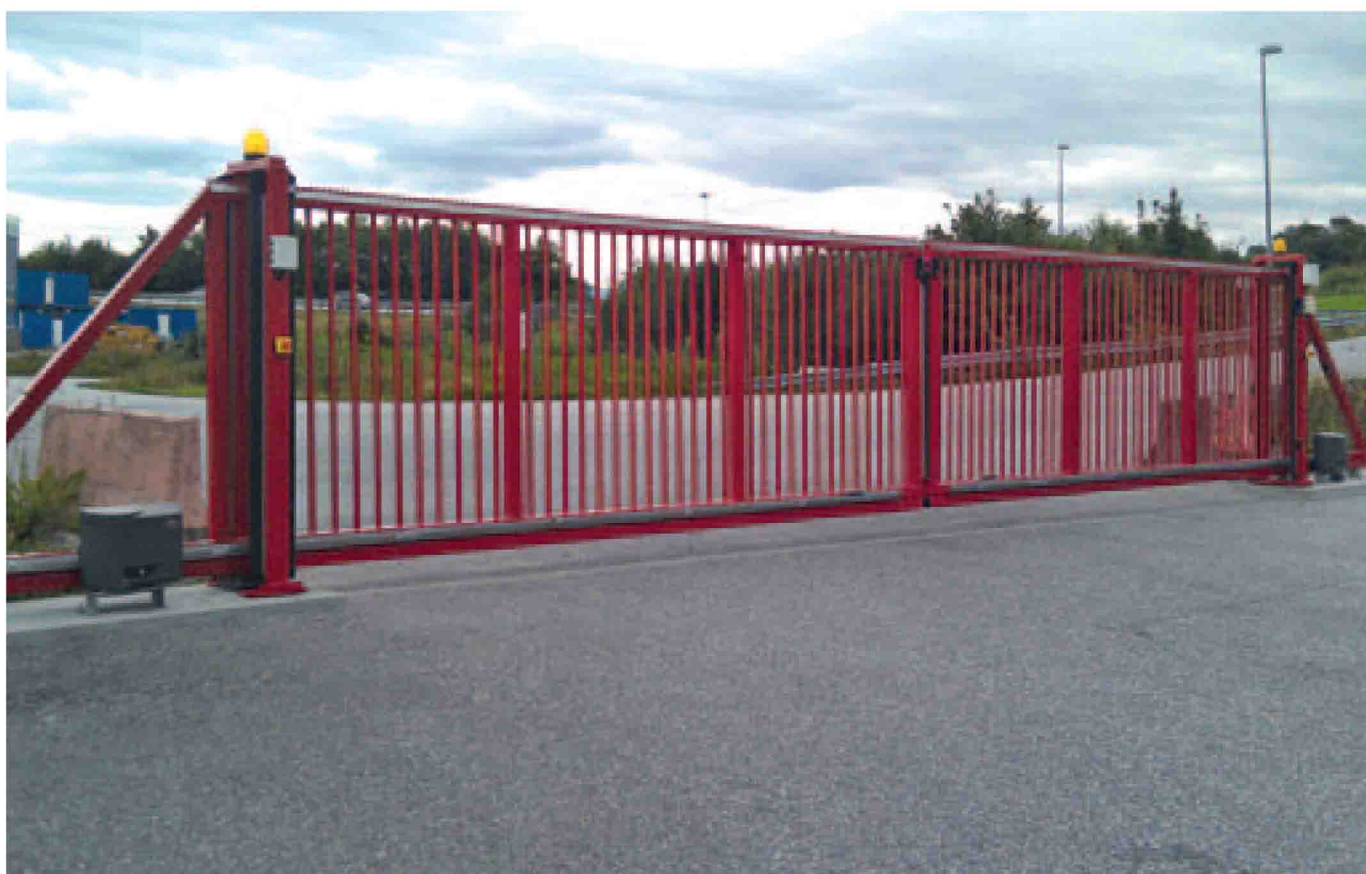
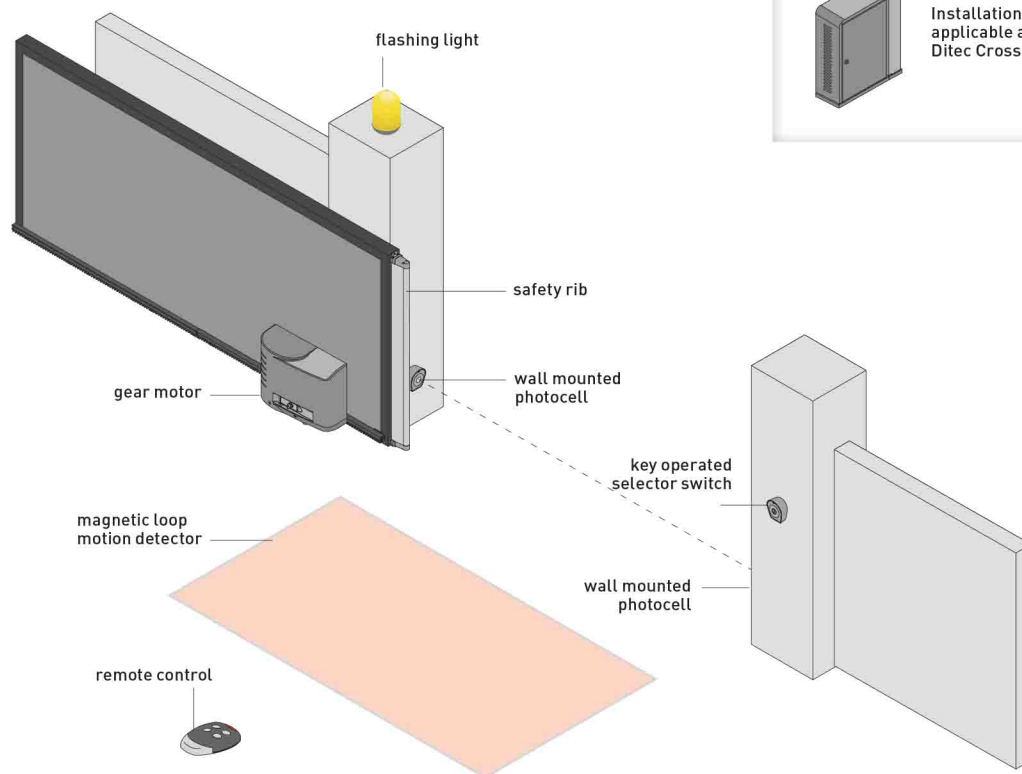


Product range

| | |
|-----------|---|
| CROSS18 | up to 1800 kg, rotary limit switch |
| CROSS18E | up to 1800 kg, lever-operated limit switch, built-in control panel and radio receiver |
| CROSS18VE | up to 1800 kg, magnetic limit switch, built-in control panel |
| CROSS19 | up to 1800 kg, magnetic limit switch |
| CROSS30E | up to 3000 kg, magnetic limit switch, built-in control panel |

Examples of installation and technical characteristics

Ditec Cross 18 - Ditec Cross 19



Technical specifications

| Description: electromechanical actuator | Cross 18 | Cross 18E | Cross 18VE | Cross 19V | Cross 30E |
|--|---|---|---|--------------------------|--------------------------|
| Travel control system | rotary stop | lever | magnetic mechanical stop | magnetic mechanical stop | magnetic mechanical stop |
| Capacity | 1800 kg | 1800 kg | 1800 kg | 1800 kg | 3000 kg |
| Duty class | 4 - heavy duty | 4 - heavy duty | 4 - heavy duty | 4 - heavy duty | 5 - very heavy duty |
| Intermittent operation | S2 = 30 min S3 = 50% | S2 = 30 min S3 = 50% | S2 = 30 min S3 = 50% | S2 = 30 min S3 = 50% | S3 = 100% |
| Power supply | 230 V AC 50 Hz | 230 V AC 50 Hz | 230 V AC 50 Hz | 400 V AC 50 Hz | 400 V AC 50 Hz |
| Input | 3 A | 3 A | 3 A | 1.2 A | 2.1 A |
| Thrust | 1200 N | 1200 N | 1200 N | 1500 N | 3000 N |
| Opening speed | 0.2 m/s | 0.2 m/s | 0.2 m/s | 0.2 m/s | 0.16 m/s |
| Closing speed | 0.2 m/s | 0.2 m/s | 0.2 m/s | 0.2 m/s | 0.16 m/s |
| Max stroke | 11 m | 20 m | 20 m | 20 m | 20 m |
| Release system for manual opening | key operated | key operated | key operated | key operated | a 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) | -20°C / +55°C (-35°C / +55°C with NIO enabled) | -20°C / +55°C | -20°C / +55°C |
| Protection rating | IP 24D | IP 24D | IP 24D | IP 24D | IP 45 |
| Product Dimensions (mm) | 440x205x375 | 440x205x375 | 440x205x375 | 440x205x375 | 530x275x588 |
| Control panel | E1A LOGICM | E1A (built in) | LOGICM (built in) | E1T | E1T (built in) |

System functions

| Description | Cross 18 - 18E | Cross 18 -18VE | Cross 19V - Cross30E |
|--|---|--|---|
| Control panel | ref. E1A for 1 230 V AC motor with built-in radio | ref. LOGICM for 1 or 2 230 V AC motors | ref. E1T for 1 three-phase 400 V AC motor |
| Mains power supply | 230 V AC / 50/60 Hz | 230 V AC / 50/60 Hz | 230 V AC / 50/60 Hz |
| Accessories power supply | 24 V DC / 0.5 A | 24 V DC / 0.5 A | 24 V DC / 0.5 A |
| Flashing light | 230 V AC | 230 V AC and 24 V DC | 24 V DC |
| Gate open warning light (signals incomplete closure) | from limit switch | from limit switch and analogue | from limit switch |
| Courtesy light | ■ | ■ (only with 1 motor) | |
| Limit switch provision | ■ | ■ | ■ |
| Force adjustment control setting | transformer | transformer | |
| ODS - Obstruction Detection System (halts or reverses movement if an obstacle is detected) | ■ | ■ | |
| Operation time adjustment | ■ | ■ | |
| Open control | ■ (with dip-switch) | ■ | ■ (with dip-switch) |
| Partial opening control | ■ (with radio only) | ■ | ■ |
| Close control | ■ | ■ | ■ |
| Temporised automatic closing | ■ | ■ | ■ |
| Inching control | ■ | ■ | ■ |
| Hold-to-run control | ■ | ■ | ■ |
| Stop safety device | ■ | ■ | ■ |
| Reverse operation safety device | ■ | ■ | ■ |
| Safety Test Facility (for SOF self-testing safety devices) | ■ | ■ | ■ |
| NIO - Antifreeze system (for maintaining motor efficiency even at very low temperatures) | ■ | ■ | |
| Operating temperature | -20°C / +55°C (-35°C / +55°C with NIO enabled) | -20°C / +55°C (-35°C / +55°C with NIO enabled) | -20°C / +55°C |



When building the system, only use Ditec accessories and safety devices.
 Every Ditec automation features CE marking and is designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.
 The Company reserves the right to make changes which may improve the products.
 For this reason, the technical details given are not binding.
 Pictures were taken with the consent of those concerned or in public locations.
 Further information can be found in the Technical Manuals available at the website: www.ditecentrematic.com

Authorised Distributor

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 and automatic barriers
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