

Over **30** years of experience

inel[®]

Everything under control

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About us

Comfort, safety, modernity. These were the three goals we had in mind when establishing our company and starting the development of innovative products to increase the comfort and safety in the homes of our clients.

INEL Sp. z o.o. was established in 1986 and is one of the leading Polish manufacturers of control devices for roller blinds, shutters, doors and rolling grilles.

We offer a wide range of control devices for roller blinds: simple and advanced, implementing a variety of sensors, as well as the Internet access.

We design and manufacture all of our roller blind and door control systems ourselves. We only use components made by globally leading manufacturers.

We care about our clients and thus we provide comprehensive technical assistance during the installation and operation of our devices. We guarantee quick resolution of all complaints, without unnecessary paperwork.

To meet your requirements we organise technical training courses in our seat in Gdańsk. For detailed information please contact us.

5 years of warranty
for all INEL products

Remote controls

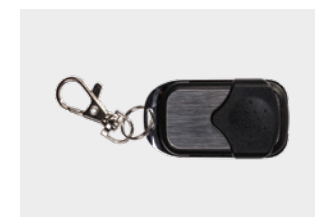
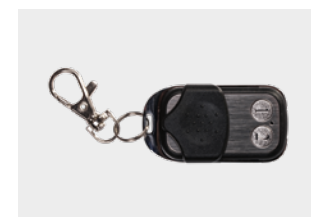
The wide range of remote controls offered by INEL is characterised by modern and pleasing design. The use of sequential codes ensures the highest level of security.

Keyring type

Remote controls of the XB series

Used to remotely control door and gate control units as well as drives* with built-in RF receivers and INEL wireless controllers.

* Do not apply to obstacle and overload detection motors.



PIL-02XB

Product features:

- supports 2 independent receivers
- sliding cover prevents accidental button presses
- battery powered
- included: remote control with keyring and CR-2032 battery

Technical overview:

- dimensions: 55×30×14 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz

PIL-04XB

Product features:

- supports 4 independent receivers
- sliding cover prevents accidental button presses
- battery powered
- included: remote control with keyring and CR-2032 battery

Technical overview:

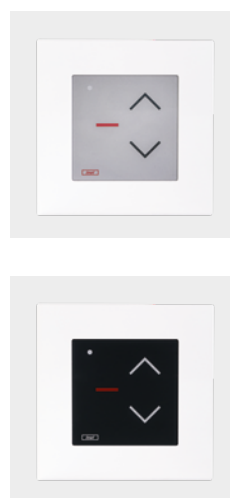
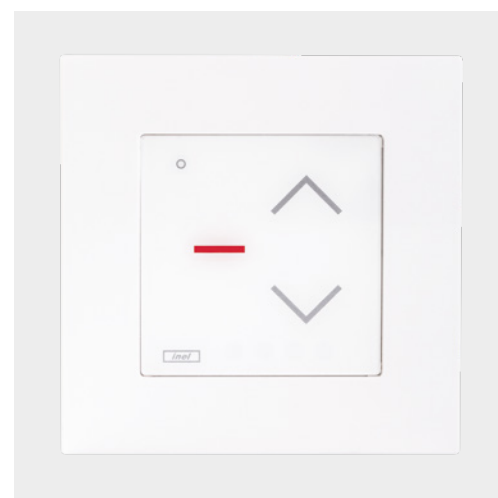
- dimensions: 65×36×15 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz

Wall-mounted

Remote controls of the NS series

Used to remotely control any type of radio-controlled drives as well as INEL wireless controllers*.

* Does not apply to wireless door and rolling grilles control units.



PIL-01NS

Product features:

- supports 1 independent receiver and/or 1 receiver group
- touch panel control
- LED indicating command transmissions
- shutter mode (setting slit angle)
- battery powered
- 3 panel colour options available: white, silver or anthracite
- included: remote control and CR-2032 battery

Technical overview:

- dimensions: 80×80×12 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz

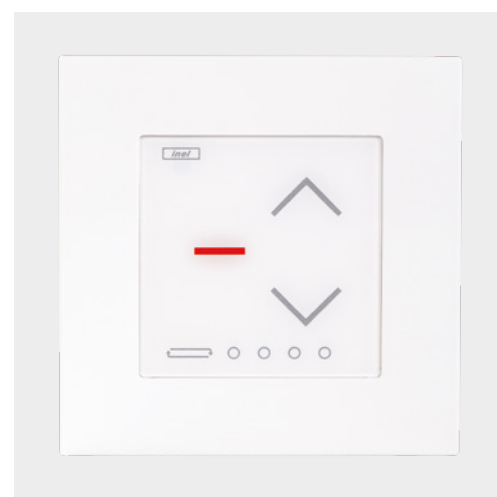
PIL-04NS

Product features:

- supports 4 independent receivers and/or receiver groups
- touch panel control
- LED and beeps indicating command transmissions
- shutter mode (setting slit angle)
- battery powered
- 3 panel colour options available: white, silver or anthracite
- included: remote control and CR-2032 battery

Technical overview:

- dimensions: 80×80×12 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



Handheld

Remote controls of the PM and DL series

Used to remotely control any type of radio-controlled drives as well as INEL wireless controllers* - individually or in groups.

The PMT and DLT remote controls can be programmed for automatic, timed control.

* Does not apply to wireless door and rolling grilles control units.

PM Series

PIL-01PM

Product features:

- supports 1 independent receiver and/or 1 receiver group
- displays the direction of drive operation
- battery powered
- included: remote control with wall hanger and CR-2032 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



PIL-05/09/19PM

Product features:

- supports 5, 9 or 19 independent receivers and/or receiver groups
- LCD display indicating: drive operation direction, channel number, low battery
- shutter mode (setting slat angle)
- channel "0" is used to control all drives which have been registered with the given remote control
- battery powered
- included: remote control with wall hanger and CR-2032 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



PIL-19/99PMT

Product features:

- supports 19 or 99 independent receivers and/or receiver groups, respectively
- built-in clock and calendar with astro function, allowing to automatically run timed programmes
- create up to 32 timed programme scenarios
- clear backlit graphic display indicating: drive operation direction, channel number, day of the week and time
- it is possible to create names for individual channels dedicated to rooms within the area (up to 16 alphanumeric characters)
- shutter mode (setting slat angle)
- blind/shutter unsealing feature
- menu in 4 language versions: Polish, English, German and French
- channel "00" is used to control all drives which have been registered with the given remote control
- battery powered
- included: remote control with wall hanger and 2×CR-2032 batteries

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (2×CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



PIL-64PMS

Product features:

- dedicated for the SSN-04 wired system
- supports up to 64 independent controllers and/or groups
- clear backlit graphic display indicating: drive operation direction, channel number or group number
- it is possible to create names for individual channels dedicated to rooms within the area (up to 16 alphanumeric characters)
- battery powered
- included: remote control with wall hanger and 2×CR-2032 batteries

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (2×CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



DL Series

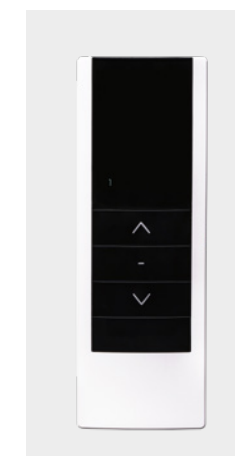
PIL-01DL

Product features:

- supports 1 independent receiver and/or receiver group
- LED indicating command transmissions
- battery powered
- magnetic wall hanger, modern design, ease of use
- 3 colour versions available: white, black, black-and-white
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



PIL-05DL

Product features:

- supports 5 independent receivers and/or receiver groups
- LEDs indicating channel number
- shutter mode (setting slot angle)
- by selecting all channels (all LEDs light up) you can control all 5 receivers at the same time
- battery powered
- magnetic wall hanger, modern design, ease of use
- 3 colour versions available: white, black, black-and-white
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



PIL-09/19DL

Product features:

- supports 9 or 19 independent receivers and/or receiver groups, respectively
- LCD display indicating: drive operation direction, channel number, low battery
- shutter mode (setting slot angle)
- channel "0" is used to control all drives which have been registered with the given remote control
- battery powered
- magnetic wall hanger, modern design, ease of use
- 3 colour versions available: white, black, black-and-white
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



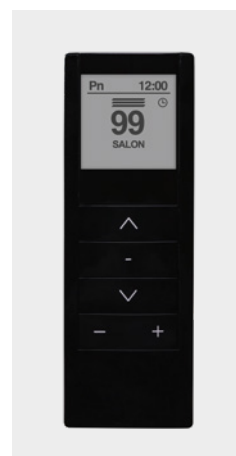
PIL-19/99DLT

Product features:

- supports 19 or 99 independent receivers and/or receiver groups, respectively
- built-in clock and calendar with astro function, allowing to automatically run timed programmes
- create up to 32 timed programme scenarios
- clear backlit graphic display indicating: drive operation direction,
- channel number, day of the week and time
- it is possible to create names for individual channels dedicated to rooms within the area (up to 16 alphanumeric characters)
- shutter mode (setting slit angle)
- blind/shutter unsealing feature
- menu in 4 language versions: Polish, English, German and French
- channel "00" is used to control all drives which have been registered with the given remote control
- battery powered
- magnetic wall hanger, modern design, ease of use
- 3 colour versions available: white, black, black-and-white
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



Flush-mounted

The flush-mounted PIL-01PT remote is capable of remotely controlling any type of radio-controlled drives as well as INEL wireless controllers.

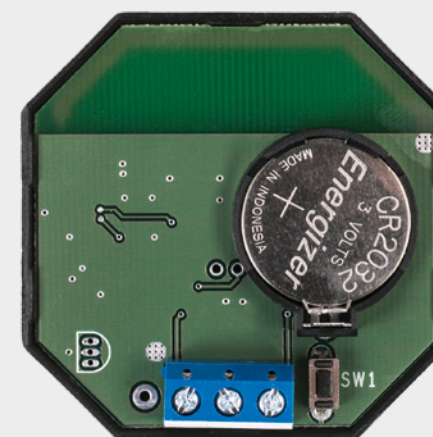
PIL-01PT

Product features:

- works with an alarm control unit and external sensors
- shutter switch of the same line as other electric equipment within the premises can be used
- powered by batteries or (optionally) externally (12V DC)
- included: remote control and CR-2032 battery

Technical overview:

- dimensions: 51×51×16 mm
- supply: 3V battery (CR-2032) or 12V DC power supply
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



Internet control unit

You can manage the shutters at home from anywhere in the world with a smartphone, tablet or computer.

Made in Poland

Internet control unit

INEL-NET-01

Product features:

- used to remotely control any type of radio-controlled drives as well as INEL wireless controllers
- devices can be accessed from anywhere in the world through any web browser
- the control unit can support up to 99 independent channels
- no need to install additional applications
- available in 3 language versions: Polish, English, German
- includes: main unit with power adapter and Ethernet cable

Technical overview:

- dimensions: 140×111×36 mm
- supply voltage: 5 V DC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



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Everything under control

Door and rolling grilles control units

Control units are the key element of door automatics. In order to increase safety you can connect a variety of devices, such as: photocells, pressure, optical and resistance safety edges.

Single-channel control units

CRS-435XG

Product features:

- supports 1 drive
- remote radio control (PIL-02XB/04XB remotes) and manual wired control (with a sequential switch)
- memory for registering up to 15 remote controls
- possibility of connecting a variety of safety devices: photocells, optical and resistance safety edges.
- includes: main unit with two PIL-02XB remotes

Technical overview:

- dimensions: 155×119×75.5 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- operating frequency: 433.92 MHz

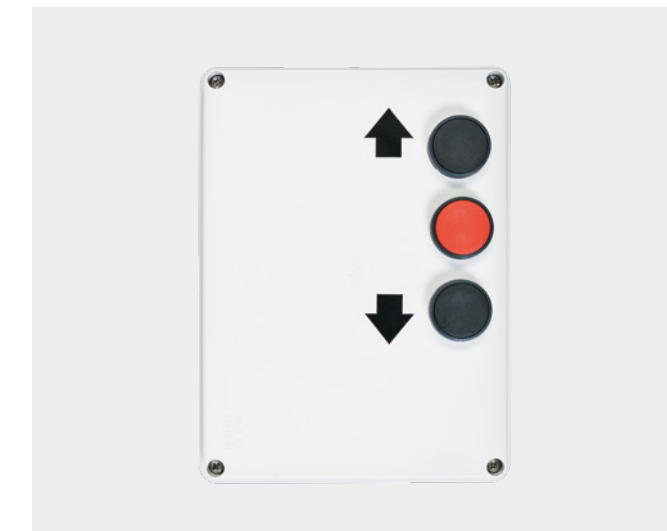
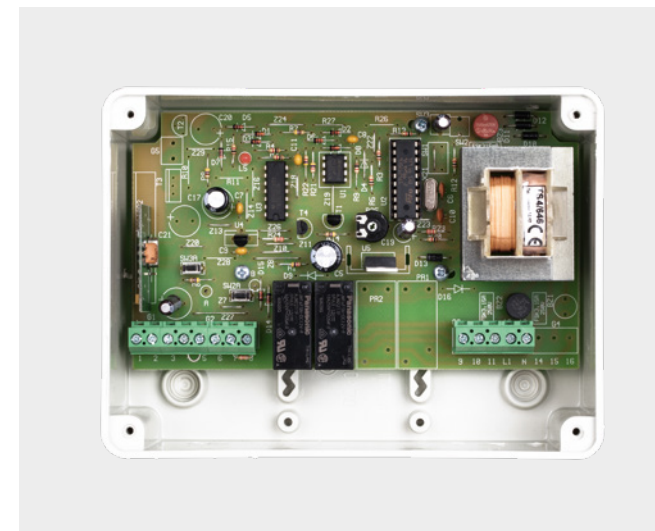
CRS-435XG3

Product features:

- supports 1 drive
- remote radio control (PIL-02XB/04XB remotes) – manual control with deadman function (with built-in buttons) and manual wired control (with a sequential switch)
- ability to connect device: photocells
- the unit has 2 operating modes:
 1. Standard - operated with built-in buttons, remote controls or sequential switch
 2. "Deadman" - can be closed only by permanent holding built-in button (in this mode, remotes and the sequential switch remain inactive)
- includes: main unit

Technical overview:

- dimensions: 150×200×81 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- operating frequency: 433.92 MHz



Dual-channel control unit

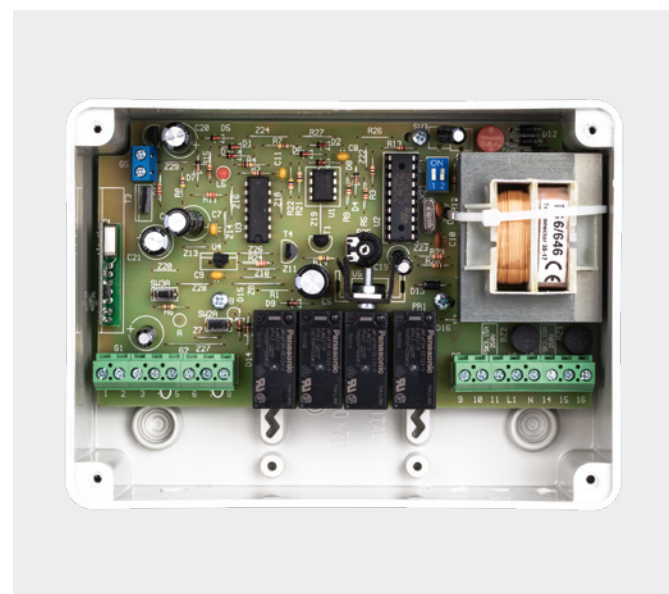
CRS-436XG

Product features:

- supports 2 drives
- manual control (with sequential switches) and remote control (PIL-02XB/04XB remotes)
- memory for registering up to 15 remote controls
- ability to connect devices: photocells
- the unit has 3 operating modes:
 1. Dual channel - control of 2 independent drives
 2. Single channel – control of 1 drive and indicator light
 3. Single channel automatic – control of 1 drive and indicator light. Opening – with remote, closing – automatic in set time.
- includes: main unit with two PIL-02XB remotes

Technical overview:

- dimensions: 155×119×75.5 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- operating frequency: 433.92 MHz



Wireless receivers

ORS-X2T/ORS-X4T

Product features:

- supports control units of various manufacturers; can be controlled with remotes (PIL-02XB or PIL-04XB)
- up to 255 remotes can be registered
- includes: radio receiver with 2 remotes: PIL-02XB or PIL-04XB

Technical overview:

- dimensions: 95×75×41 mm
- supply voltage: 12 V DC or 24 V DC/AC
- operating temperature: from -10°C to +55°C
- operating frequency: 433.92 MHz



Door accessories

FOT-01

Photocell for control units:
CRS-435XG, CRS-435XG3, CRS-436XG.
Product features:

- protection against accidental door closing

Technical overview:

- dimensions: 90×46×32 mm
- supply voltage: 12 V DC or 24 V DC/AC
- operating temperature: from -10°C to +55°C
- operating range: 20 m
- manufacturer: Nologo



Tubular motors

Motors manufactured by INEL are intended for controlling the operation of roller shutters, blinds, sunblinds as well as doors and rolling grilles.

Standard and radio-controlled versions

Drive compatible with 40 mm diameter octagonal tubes.

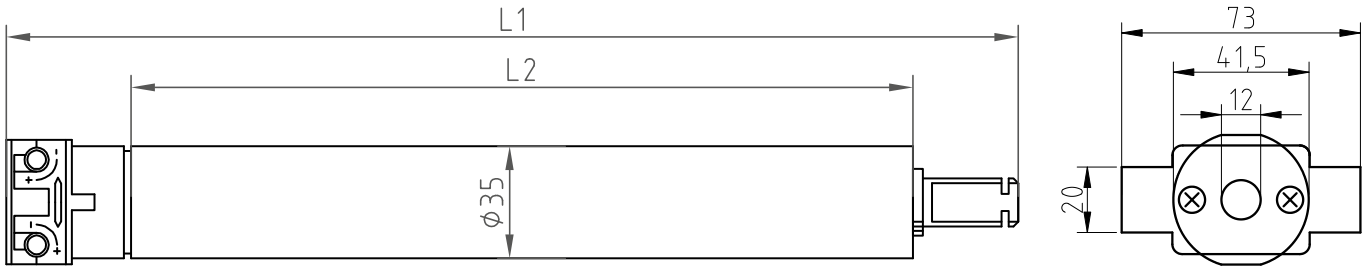
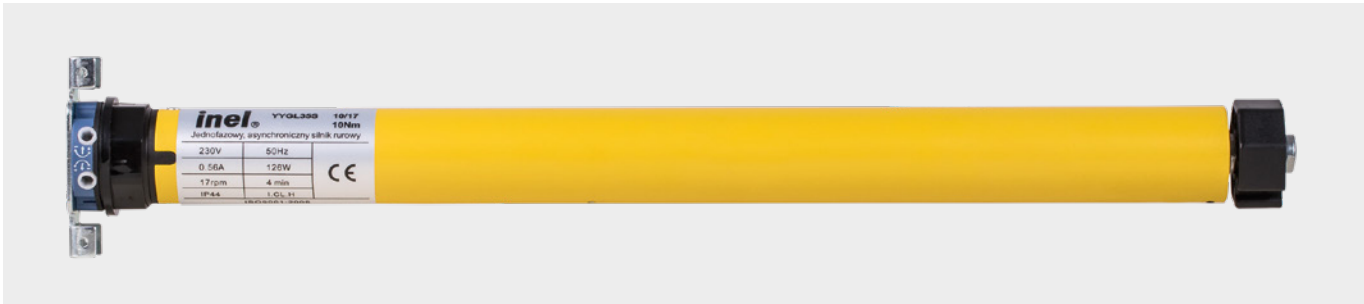
Mechanical limit switches.

“R” denotes a radio-controlled drive.

“SH” - a short drive.

The set includes:

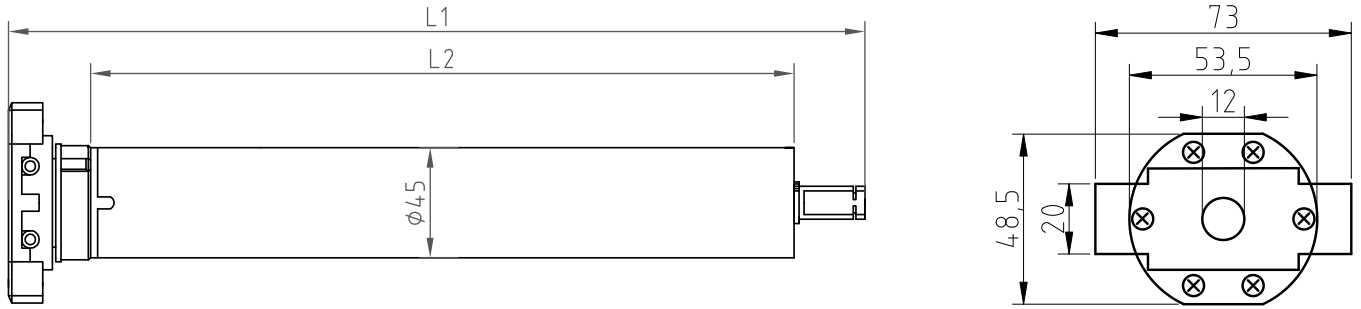
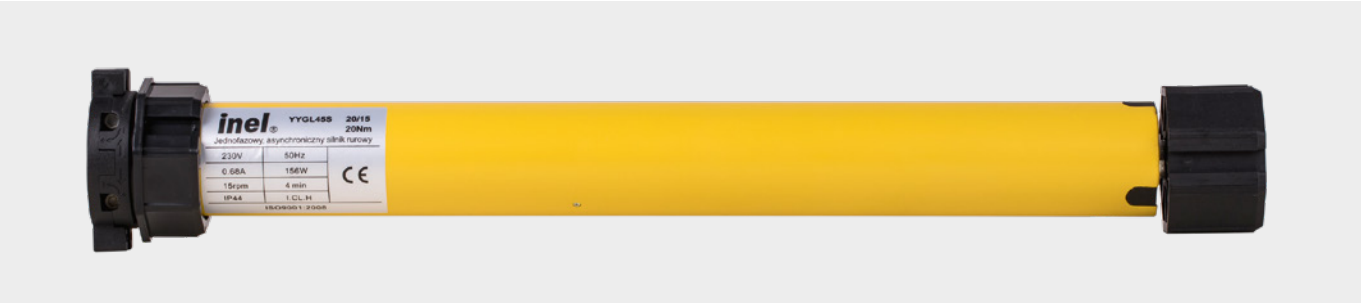
- crown
- adapter
- mounting bracket



| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|-------|------------------------------|-------------|----------------------|--------------------|--------------------|------------------------|------------|--------------|----------------------|----------------|-------------------------|-------------|--------------------|
| N-6 | YYGL35S-6/28 GM35S-6/28 | 6 | 28 | 35 | 230 | 50 | 115 145 | 0.50 0.65 | >=4 | IP 44 | 18 39 | 1.8 | 445/390 555/490 |
| N-6R | YYGL35R-6/28 GM35R-6/28 | 6 | 28 | 35 | 230 | 50 | 115 145 | 0.50 0.65 | >=4 | IP 44 | 18 | 1.9 | 555/500 555/490 |
| N-6SH | YYGL35SH-6/17 | 6 | 17 | 35 | 230 | 50 | 81 | 0.35 | >=4 | IP 44 | 18 | 1.5 | 395/335 |
| N-10 | YYGL35S-10/17 GM35S-10/17 | 10 | 17 | 35 | 230 | 50 | 126 118 | 0.56 0.51 | >=4 | IP 44 | 18 39 | 1.8 | 445/390 485/420 |
| N-10R | YYGL35R-10/17 GM35R-10/17 | 10 | 17 | 35 | 230 | 50 | 126 118 | 0.56 0.51 | >=4 | IP 44 | 18 39 | 1.9 | 555/500 555/490 |
| N-13 | YYGL35S-13/14 | 13 | 14 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP44 | 18 | 1.8 | 445/390 |

Drive compatible with 50/60 mm diameter octagonal tubes.
Mechanical limit switches.
"R" denotes a drive with built-in radio receiver.

- The set includes:**
- crown
 - adapter
 - mounting bracket

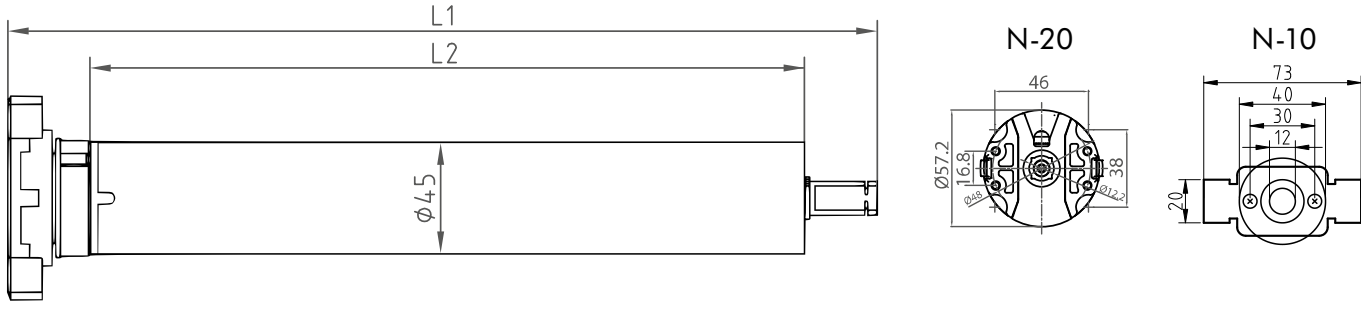
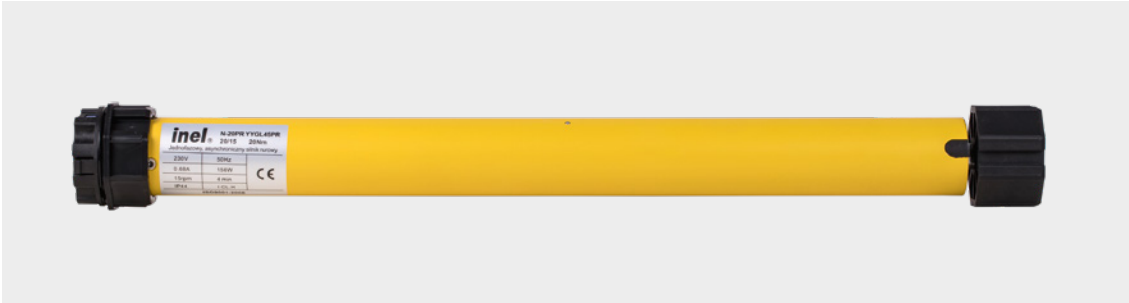


| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|-------|------------------------------|-------------|----------------------|--------------------|--------------------|------------------------|------------|--------------|----------------------|----------------|-------------------------|-------------|--------------------|
| N-20 | YYGL45S-20/15 GM45S-20/15 | 20 | 15 | 45 | 230 | 50 | 156 130 | 0.68 0.59 | >=4 | IP 44 | 20 | 2.5 2.6 | 440/380 480/420 |
| N-20R | YYGL45R-20/15 GM45R-20/15 | 20 | 15 | 45 | 230 | 50 | 156 130 | 0.68 0.59 | >=4 | IP 44 | 20 | 2.6 | 480/420 500/440 |
| N-40 | YYGL45S-40/15 | 40 | 15 | 45 | 230 | 50 | 218 | 0.95 | >=4 | IP 44 | 20 | 3.8 | 550/490 |
| N-40R | YYGL45R-40/15 | 40 | 15 | 45 | 230 | 50 | 218 | 0.95 | >=4 | IP 44 | 20 | 3.9 | 550/490 |

With overload detection

Drive with overload detection compatible with 40/60 mm diameter octagonal tubes.
Electronic limit switches. Motor installation with blocking hangers and stoppers in the lower slat.
"P" denotes overload detection motor.
"PR" denotes a wireless control overload detection motor.
PR motors can be connected to a sequential switch.

- The set includes:**
- crown
 - adapter
 - mounting bracket



| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|--------|----------------|-------------|----------------------|--------------------|--------------------|------------------------|-----------|-------------|----------------------|----------------|-------------------------|-------------|-------------------|
| N-10P | YYGL35P-10/17 | 10 | 17 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP 44 | 60 | 1.9 | 555/500 |
| N-10PR | YYGL35PR-10/17 | 10 | 17 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP 44 | 60 | 1.9 | 555/500 |
| N-20P | YYGL45P-20/15 | 20 | 15 | 45 | 230 | 50 | 156 | 0.68 | >=4 | IP 44 | 60 | 2.6 | 530/470 |
| N-20PR | YYGL45PR-20/15 | 20 | 15 | 45 | 230 | 50 | 156 | 0.68 | >=4 | IP 44 | 60 | 2.6 | 530/470 |

With obstacle detection

Drive with obstacle detection compatible with 40/60 mm diameter octagonal tubes.

Electronic limit switches. Motor installation with soft hangers.

“E” denotes the obstacle detection function.

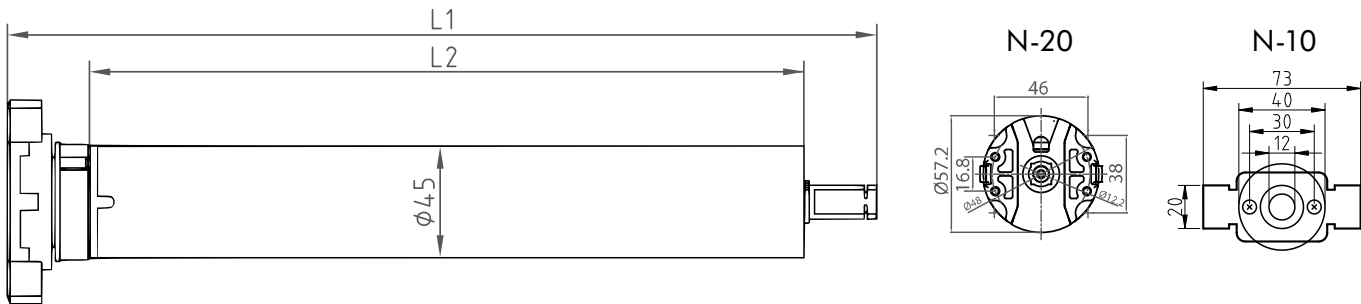
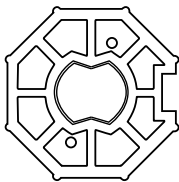
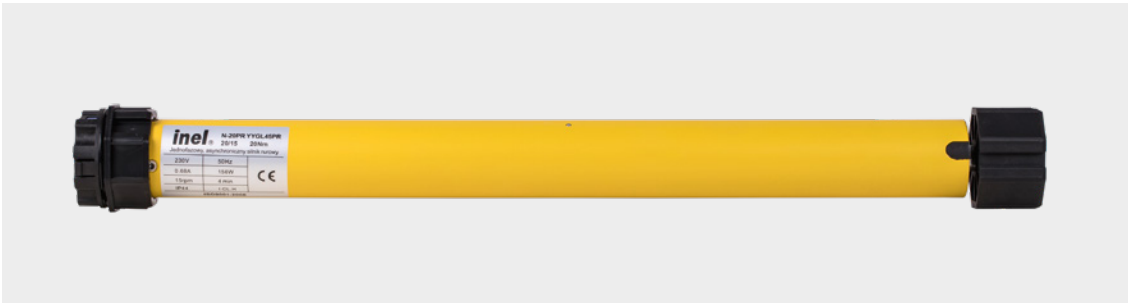
“RE” denotes a wireless control obstacle detection motor.

“ES” denotes a motor with wireless control and return channel.

RE motors can be connected to a sequential switch.

The set includes:

- crown
- adapter
- mounting bracket



| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|--------|----------------|-------------|----------------------|--------------------|--------------------|------------------------|-----------|-------------|----------------------|----------------|-------------------------|-------------|-------------------|
| N-10E | YYGL35E-10/17 | 10 | 17 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP 44 | 60 | 1.9 | 555/500 |
| N-10RE | YYGL35RE-10/17 | 10 | 17 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP 44 | 60 | 1.9 | 555/500 |
| N-10ES | YYGL35ES-10/17 | 10 | 17 | 35 | 230 | 50 | 126 | 0.56 | >=4 | IP 44 | 60 | 1.9 | 555/500 |
| N-20E | YYGL45E-20/15 | 20 | 15 | 45 | 230 | 50 | 156 | 0.68 | >=4 | IP 44 | 60 | 2.6 | 530/470 |
| N-20RE | YYGL45RE-20/15 | 20 | 15 | 45 | 230 | 50 | 156 | 0.68 | >=4 | IP 44 | 60 | 2.6 | 530/470 |
| N-20ES | YYGL45ES-20/15 | 20 | 15 | 45 | 230 | 50 | 156 | 0.68 | >=4 | IP 44 | 60 | 2.6 | 530/470 |

With emergency crank handle

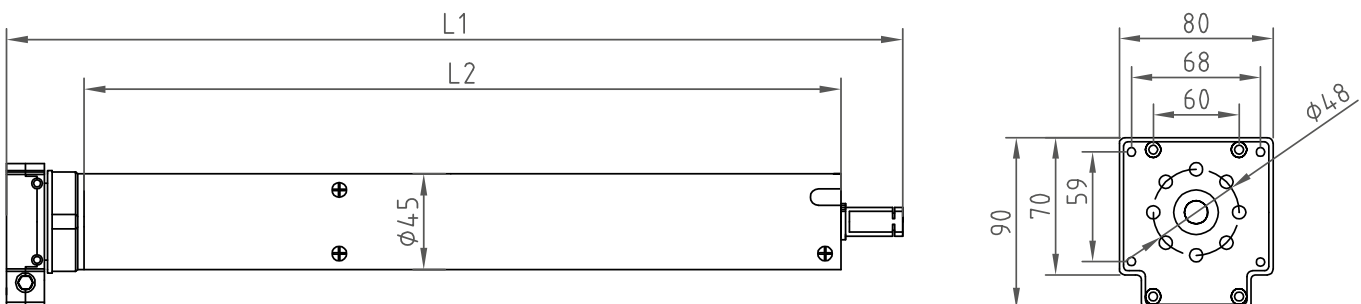
Drive with manual emergency crank handle compatible with 60/70 mm diameter octagonal tubes.

Mechanical limit switches.

“R” denotes a drive with built-in radio receiver.

The set includes:

- crown
- adapter
- mounting bracket

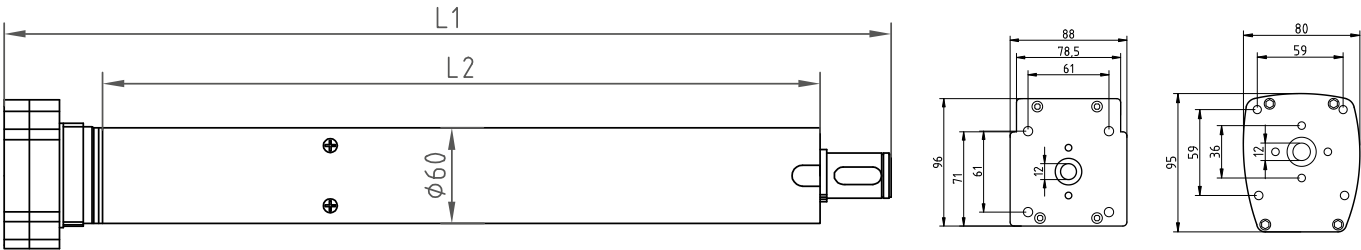
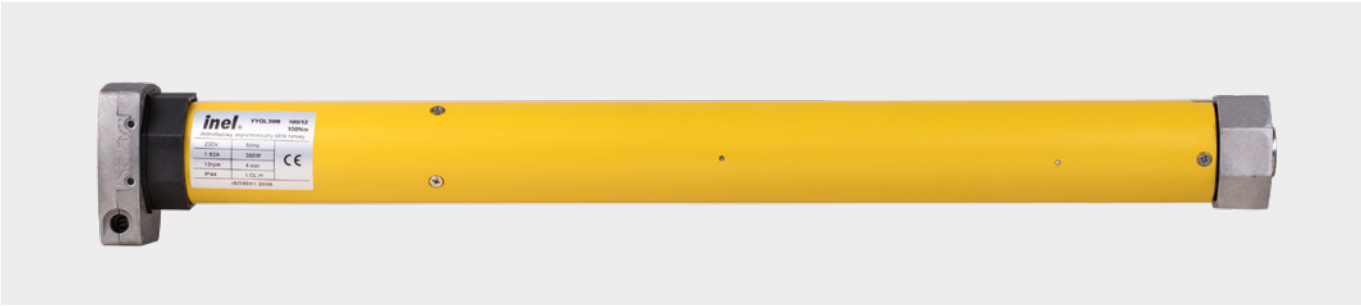


| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|-----------|------------------------------|-------------|----------------------|--------------------|--------------------|------------------------|------------|--------------|----------------------|----------------|-------------------------|-------------|--------------------|
| N-50NHK | YYGL45M-50/12 GM45M-50/11 | 50 | 12 11 | 45 | 230 | 50 | 232 180 | 1.01 0.80 | >=4 | IP 44 | 21 | 4.3 | 590/520 610/540 |
| N-50R NHK | YYGL45R-50/12 | 50 | 12 | 45 | 230 | 50 | 232 | 1.01 | >=4 | IP 44 | 21 | 4.4 | 720/650 |



Drive compatible with 70 mm diameter octagonal tubes.
The GM59M and YYGL59M are fitted with manual emergency crank handle.
Mechanical limit switches.

- The set includes:**
- crown
 - adapter
 - mounting bracket



| | Symbol | Torque (Nm) | Rotation Speed (rpm) | Tube diameter (mm) | Supply voltage (V) | Voltage frequency (Hz) | Power (W) | Current (A) | Operating time (min) | IP rating (IP) | Maximum number of turns | Weight (kg) | Length L1/L2 (mm) |
|-----------|--------------------------------|-------------|----------------------|--------------------|--------------------|------------------------|------------|--------------|----------------------|----------------|-------------------------|-------------|--------------------|
| N-100S | YYGL59S-100/12 | 100 | 12 | 59 | 230 | 50 | 400 | 1.8 | >=4 | IP 44 | 21 | 8 | 605/530 |
| N-100 NHK | YYGL59M-100/12 GM59M-100/11 | 100 | 12 11 | 59 | 230 | 50 | 350 342 | 1.52 1.53 | >=4 | IP 44 | 21 | 8 | 685/600 658/570 |
| N-140 NHK | YYGL59M-140/9 GM59M-140/7 | 140 | 9 7 | 59 | 230 | 50 | 430 378 | 1.86 1.64 | >=4 | IP 44 | 21 20 | 8 | 685/600 658/570 |

Tubular motor selection table

| Torque | | Roller blind length | | | | | | |
|---------|------|---------------------|--------|--------|--------|--------|--------|--------|
| | | 1.5 m | 2 m | 2.5 m | 3 m | 3.5 m | 4 m | 5 m |
| N-6Nm | Φ=40 | 11 kg | 9,5 kg | 9 kg | 8 kg | - | - | - |
| N-10Nm | Φ=40 | 20 kg | 19 kg | 18 kg | 17 kg | - | - | - |
| N-20Nm | Φ=50 | 46 kg | 44 kg | 41 kg | 39 kg | - | - | - |
| N-20Nm | Φ=60 | 42 kg | 40 kg | 38 kg | 36 kg | - | - | - |
| N-40Nm | Φ=60 | 83 kg | 79 kg | 72 kg | 69 kg | - | - | - |
| N-40Nm | Φ=70 | 70 kg | 68 kg | 66 kg | 64 kg | - | - | - |
| N-50Nm | Φ=60 | 88 kg | 84 kg | 81 kg | 78 kg | - | - | - |
| N-50Nm | Φ=70 | 82 kg | 80 kg | 77 kg | 74 kg | - | - | - |
| N-100Nm | Φ=70 | - | - | 117 kg | 110 kg | 105 kg | 100 kg | - |
| N-140Nm | Φ=70 | - | - | - | 150 kg | 145 kg | 140 kg | 130 kg |

WARNING!
The parameters given are only estimates - they depend on numerous factors (correct installation, co-efficient of friction of the blind, atmospheric conditions and other).

The standard length of power cord for all INEL tubular motors is 2m.
It is possible to order a custom (longer) cord.

Roller blind controllers and control systems

Controllers with radio receivers are used to control roller blinds with 230 VAC motors. Moreover, these devices can be used to control: facade blinds, internal horizontal shutters, light sources. Wireless controllers work with all our remote controls.

Made in Poland

Central wireless control

Wireless controllers for: roller blinds, shutters and light sources



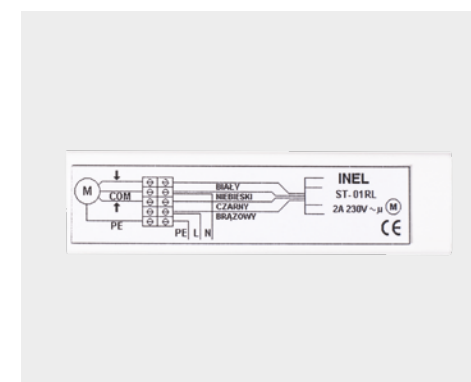
ST-01R/ST-01RS/ST-01RZ

Product features:

- controller with housing, installed in flush-mounted wall box, 60 mm diameter and double depth
- one controller can operate only one drive
- can be connected to a shutter button of any manufacturer
- the ST-01RS version allows to control light sources (on/off)
- the ST-01RZ version can control facade blinds and internal horizontal shutters (slat rotation)

Technical overview:

- dimensions: 49×49×23 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



ST-01RL/ST-01RLZ

Product features:

- controller in sealed housing mounted to the side of the roller blind cassette
- one controller can operate only one drive
- the ST-01RLZ version can control facade blinds and internal horizontal shutters (slat rotation)

Technical overview:

- dimensions: 97×22×26 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



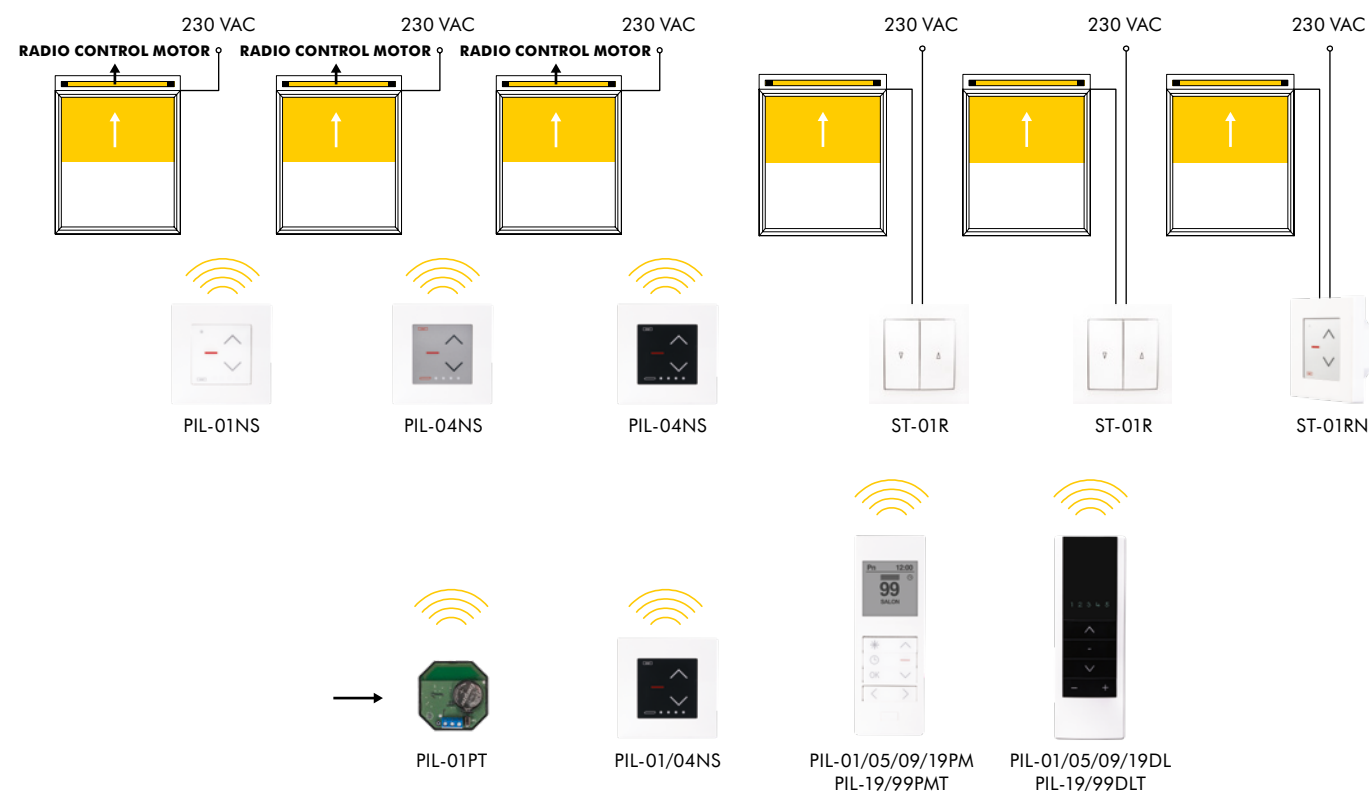
ST-01RN/ST-01RNS/ST-01RNZ

Product features:

- installed in flush-mounted wall box, 60 mm diameter and double depth
- one controller can operate only one drive
- touch panel control
- the touch panel is available in three colour options (white, silver, anthracite)
- the ST-01RNS version can control light sources (on/off)
- the ST-01RNZ version can control facade blinds and internal horizontal shutters (slat rotation)

Technical overview:

- dimensions: 80×80×40 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



The radio control system can be used for control of a specific number of roller blinds in any location.

One element of the system are receivers, i.e. ST-01R/ST-01RL/ST-01RN controllers and/or drives with built-in radio receivers, or stand-alone receivers (a wide range of remote controls).

The remotes can be surface- or flush-mounted, which allows you to build a system which is optimally tailored to the individual needs of your client. The PMT and DLT series remotes allow you to program the operation time of individual roller blinds within the area. They are enabled automatically at programmed times and weekdays.

By using ST-01RS/ST-01RNS controllers you can control not only the roller blinds, but also light sources or other devices powered by 230 VAC power supply (on-off function). In the ST-01RZ/ST-01RLZ/ST-01RNS versions, the controller can control the operation of façade blinds and internal horizontal shutters powered by 230 VAC drives (slat rotation).

SSN-04 wired roller blind control system

SSN-04 wired roller blind control system controllers



CR-02

Product features:

- control a single roller blind or a group of blinds manually (from local keyboard) or remotely (with the PIL-64PMS remote)
- ability to define groups
- you can program automatic opening/closing of individual blinds or groups of blinds at specific times on specific weekdays
- you can lock the radio receiver (protection against system intrusion)
- blind/shutter unsealing feature

Technical overview:

- dimensions: 155×80×40 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



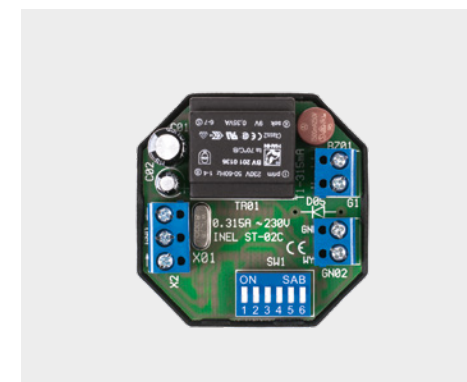
ST-01/ST-01S

Product features:

- installed in a wall box, 60 mm diameter and double depth
- one controller can operate only one drive
- can be connected to a shutter button of any manufacturer
- the ST-01S version can control light sources (on/off)

Technical overview:

- dimensions: 51×51.5×22 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C



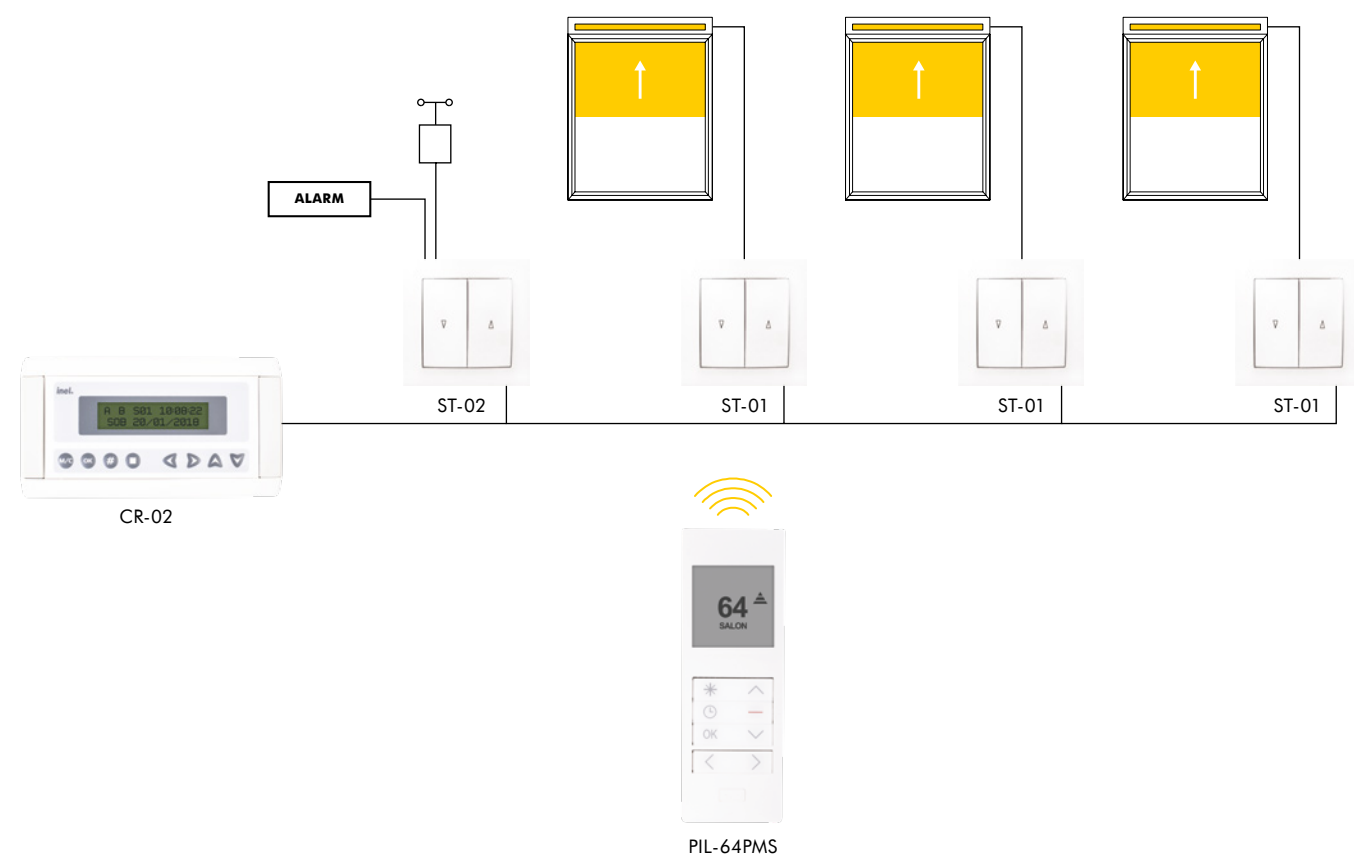
ST-02

Product features:

- installed in a wall box, 60 mm diameter and double depth
- functions as a group controller which can control group of blinds connected to ST-01 controllers and linked with the CR-02 control unit
- a group can consist of 1-64 roller blinds
- can be connected to a shutter button of any manufacturer
- can receive signal from the alarm control unit or sensors

Technical overview:

- dimensions: 51×51.5×22 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C



A wired roller blind remote control system can be configured in a variety of ways.

The setup depends on the individual requirements of the user. The system consists of: individual ST-01 controllers (one for each drive), ST-02 group controllers, CR-02 main timer unit and PIL-64 PMS remote.

Wired roller blind control system, using a 230 VAC control bus

Wired roller blind control system controller



ST-0P/ST-0PZ

Product features:

- installed in a wall box, 60 mm diameter and double depth
- can operate as an individual or group controller
- one controller can operate only one drive
- you can link multiple blinds into a group and control the group with a single device, e.g. shutter switch or timed controller
- the ST-0PZ version can control façade blinds and internal horizontal shutters (slat rotation)

Technical overview:

- dimensions: 52×52×25,5 mm
- supply voltage: 230 VAC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



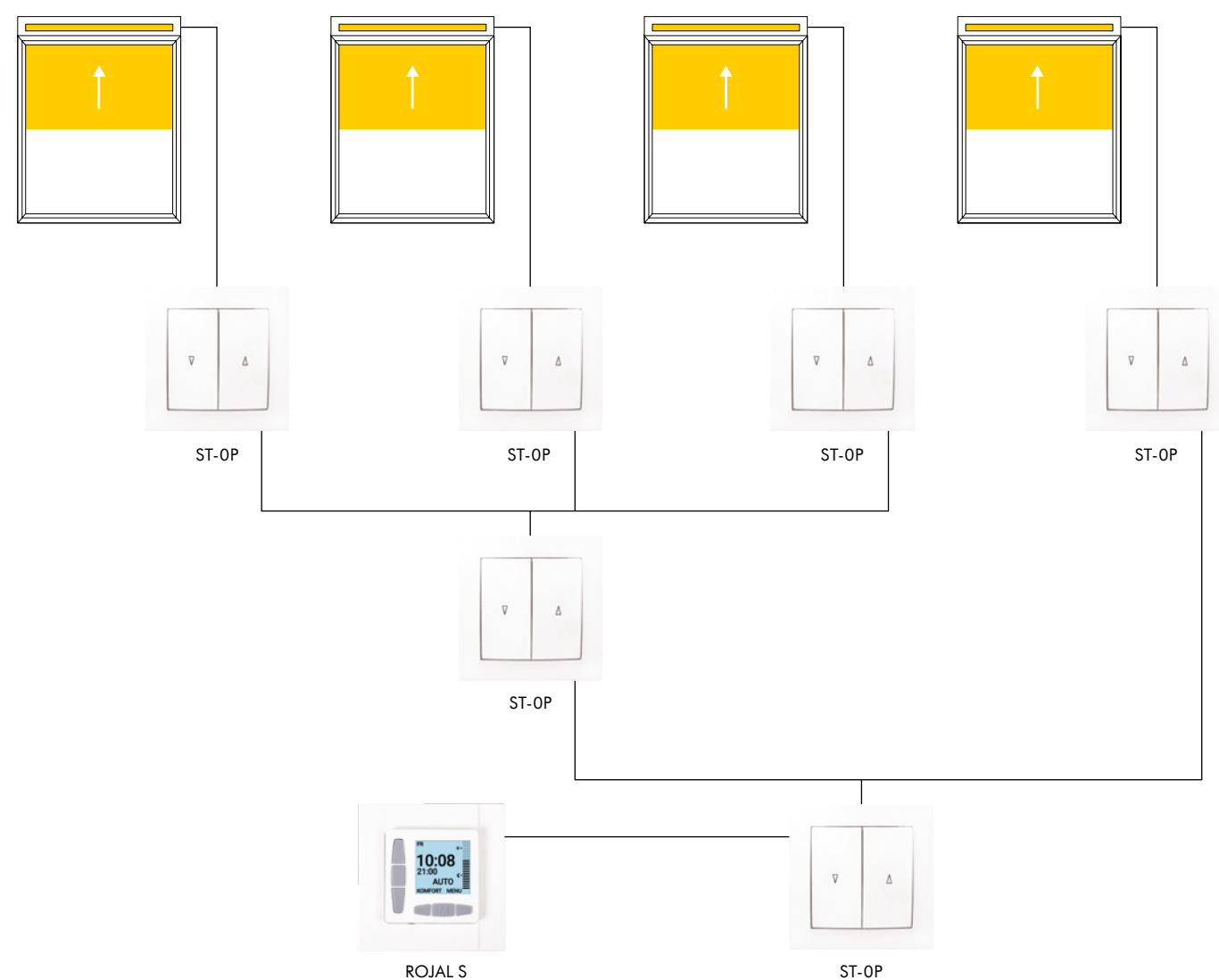
ROJAL S control timer

Product features:

- automatic daily programming, holiday mode, impulse operation
- large backlit colour display
- programmable timer, opening and closing times can be set for the entire week or separately for every weekday
- automatic switching into daylight savings mode and back
- ability to set comfortable position and shutter (impulse) mode, ability to connect a day/night sensor

Technical overview:

- dimensions: 80×80×50 mm
- supply voltage: 230 VAC
- operating temperature from 0°C to +45°C
- manufacturer: Inprojal



The system allows you to control a large number of roller blinds with one device.

It consists of: ST-OP controller (acting as individual controller - one for every drive, and group controller - an additional one for every group), and control device, e.g. ROJAL S timer.

Accessories

For octagonal tubes

HTL 05
Crown Ø40 mm



HTH 01
Adapter Ø40 mm



HTL 33
Crown Ø50 mm



HTH 25
Adapter Ø50 mm



HTL 47
Crown Ø60 mm



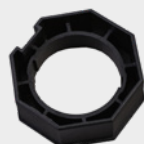
HTH 35
Adapter Ø60 mm



HTL 08
Crown Ø70 mm



HTH 04
Adapter Ø70 mm



For round tubes

HTL 35
Crown Ø37,5 mm



HTH 27
Adapter Ø37,5 mm



HTL 10
Crown Ø40 mm



HTH 06
Adapter Ø40 mm



HTL 30
Crown Ø50 mm



HTH 23
Adapter Ø50 mm



HTL 36
Crown Ø60 mm



HTH 28
Adapter Ø60 mm



HTL 12
Crown Ø68 mm



HTH 07
Adapter Ø68 mm



HTL 63
Crown Ø70 mm



HTH 63
Adapter Ø70 mm



HTL 40
Crown Ø78 mm



HTH 30
Adapter Ø78 mm



HTL 24
Crown Ø85 mm



HTH 14
Adapter Ø85 mm



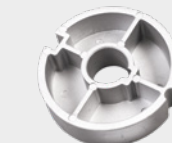
HTL 71
Crown Ø98 mm



HTH 71
Adapter Ø98 mm



HTL 70
Crown Ø105 mm



HTH 70
Adapter Ø105 mm



HTH 20
Adapter Ø35/45 mm



HTL 01
Crown Ø50 mm



HTL 03
Crown Ø50 mm



ZIP
Adapter Ø63 mm



ZIP
Adapter Ø78 mm



Other



Shock sensor for awnings

Product features:

- allows for automatic awning closing in windy weather
- six-degree sensitivity scale
- sensor damage will cause the awning to close automatically

Technical overview:

- dimensions: 130×40×25 mm
- supply: 3V (2×AAA battery)
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



Signal repeater

Product features:

- enhances remote control range
- maintenance-free device

Technical overview:

- dimensions: 130×40×25 mm
- supply voltage: 5 V DC
- operating temperature: from -10°C to +55°C
- frequency: 433.92 MHz



Surface-mounted key switch

Product features:

- two operation modes: stable (after turning stays in the same position) and retractive (after turning goes back to its initial position)

Technical overview:

- dimensions: 81×81×53 mm
- supply voltage: 250 VAC
- operating temperature: from -30°C to +50°C
- manufacturer: Inprojal



Flush-mounted key switch

Product features:

- two operation modes: stable (after turning stays in the same position) and retractive (after turning goes back to its initial position)

Technical overview:

- dimensions: 81×81×70 mm
- supply voltage: 250 VAC
- operating temperature: from -30°C to +50°C
- manufacturer: Inprojal

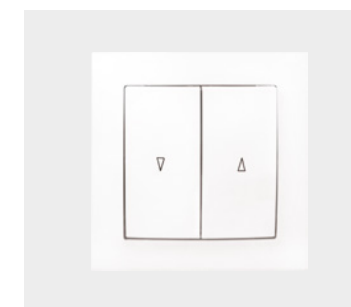
Installation cable

Cable for programming wired motors with obstacle or overload detection.



MAN-001

Manual switch



Cardan joint



K-01 N HK motor crank (L=140 cm)



inel



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30
years of experience

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