

over
35 years
of experience

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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.

The company INEL Sp. z o.o.
was established in 1986 and is one of
the leading Polish manufacturers of control
units for tubular motors for blinds, roller
shutters, awnings, gates and grilles.

We offer a wide range of devices which make it possible to control blinds in many ways: from simple to complex ones using various sensors and the Internet.

Out of concern for our Customers' welfare, extensive technical assistance during installation and operation is provided.

What sets us apart is the fact that all our blind and gate control systems are designed and tested in our research and development department and manufactured in-house.

We guarantee rapid complaint handling without unnecessary formalities.

To meet your needs, we organise technical training.

For production, we use components from world-renowned companies.

For more details, please contact our office.



Tubular motors

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

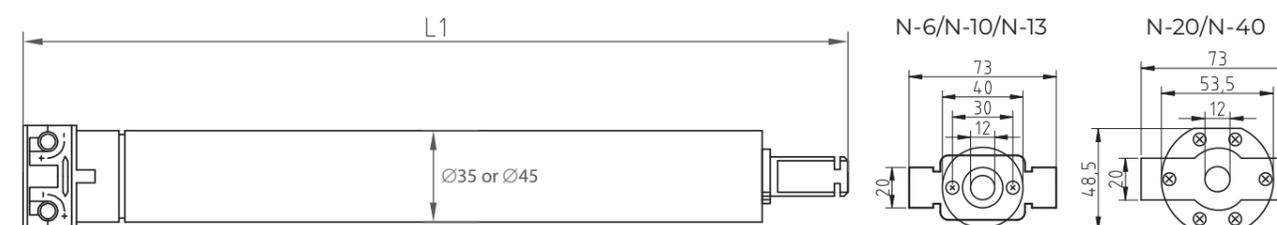
Standard



Motors are compatible with:
40 mm, 50mm, 60mm and 70mm diameter octagonal tubes and
38mm, 63mm, and 78mm diameter round tubes.
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 REF	Weight (kg)	Length L1 (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	1,45	555 550
N-6SH	YYGL35SH-6/17 GM35SH-6/17	6	17	35	230	50	81	0,35	>=4	IP 44	18	1,15	390 405
N-10	YYGL35S-10/17 GM35S-10/17	10	17	35	230	50	126 118	0,56 0,51	>=4	IP 44	18 39	1,30	455 485
N-13	YYGL35S-13/14 GM35S-13/14	13	14	35	230	50	126	0,56	>=4	IP44	18 39	1,40	555 550
N-20	YYGL45S-20/15 GM45S-20/15	20	15	45	230	50	156 130	0,68 0,59	>=4	IP 44	20	1,90	440 480
N-40	YYGL45S-40/15 GM45S-40/15	40	15	45	230	50	218	0,95	>=4	IP 44	20	2,45	550 555
N-100S	YYGL59S-100/12	100	12	59	230	50	400	1,8	>=4	IP 44	21	4,60	605

SH - wired short motor

With built-in radio receiver



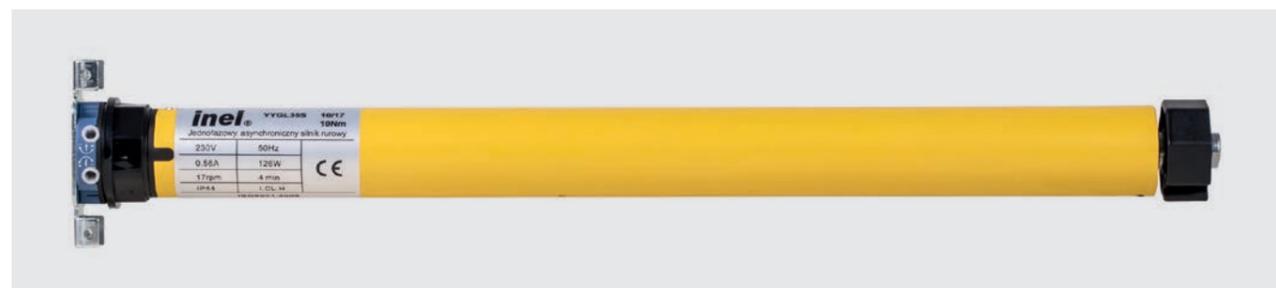
Motors with built-in radio receiver are compatible with:
**40 mm, 50mm and 60mm diameter octagonal tubes and
 38mm, 63mm, and 78mm diameter round tubes.**

Mechanical limit switches.

Operating frequency 433,92MHz

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 REF	Weight (kg)	Length L1 (mm)
N-6R	YYGL35R-6/28 GM35R-6/28	6	28	35	230	50	115 145	0,50 0,65	>=4	IP 44	18	1,45	555 555
N-10R	YYGL35R-10/17 GM35R-10/17	10	17	35	230	50	126 118	0,56 0,51	>=4	IP 44	18 39	1,45	555 555
N-13R	YYGL35R-13/14 GM35R-13/14	13	14	35	230	50	126	0,56	>=4	IP44	18 39	1,45	555 550
N-20R	YYGL45R-20/15 GM45R-20/15	20	15	45	230	50	156 130	0,68 0,59	>=4	IP 44	20	1,95	480 500
N-40R	YYGL45R-40/15 GM45R-40/15	40	15	45	230	50	218	0,95	>=4	IP 44	20	2,50	550 555

R- radio controlled motor

With built-in radio receiver EKO



Motors with built-in radio receiver are compatible with:
**40 mm, 50mm and 60mm diameter octagonal tubes and
 38mm, 63mm, and 78mm diameter round tubes.**

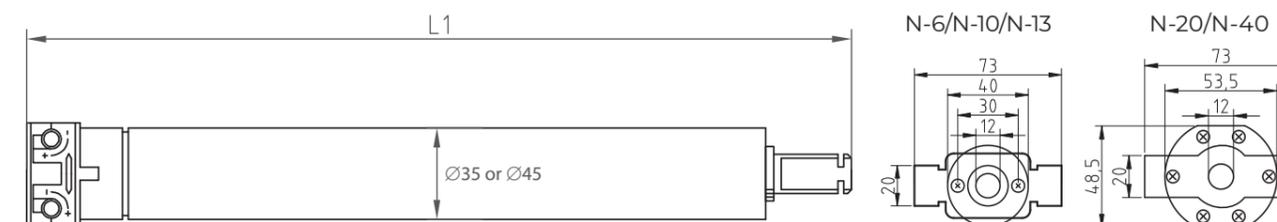
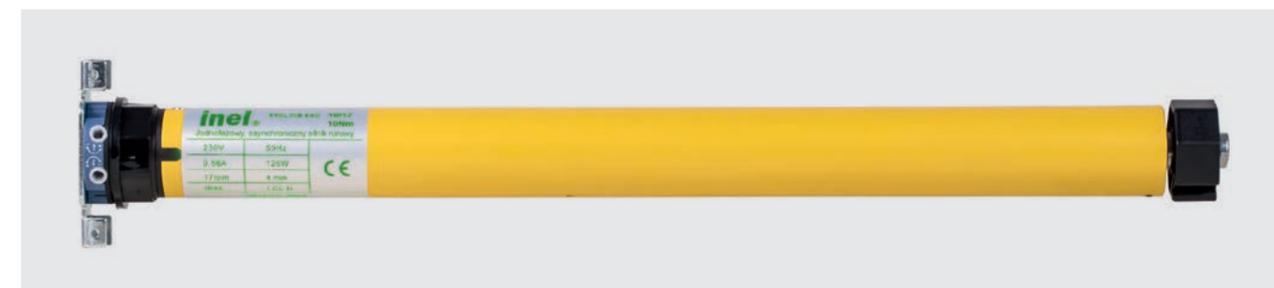
Significantly reduced energy consumption in stand-by operation mode.

Mechanical limit switches.

Operating frequency 433,92MHz

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 REF	Weight (kg)	Length L1 (mm)
N-6R EKO	YYGL35R-6/28 EKO GM35R-6/28 EKO	6	28	35	230	50	115 145	0,50 0,65	>=4	IP 44	18	1,45	555 555
N-10R EKO	YYGL35R-10/17 EKO GM35R-10/17 EKO	10	17	35	230	50	126 118	0,56 0,51	>=4	IP 44	18 39	1,45	555 555
N-13R EKO	YYGL35R-13/14 EKO GM35R-13/14 EKO	13	14	35	230	50	126	0,56	>=4	IP44	18 39	1,45	555 550
N-20R EKO	YYGL45R-20/15 EKO GM45R-20/15 EKO	20	15	45	230	50	156 130	0,68 0,59	>=4	IP 44	20	1,95	480 500
N-40R EKO	YYGL45R-40/15 EKO GM45R-40/15 EKO	40	15	45	230	50	218	0,95	>=4	IP 44	20	2,50	550 555

R- radio controlled motor

With manual emergency crank handle



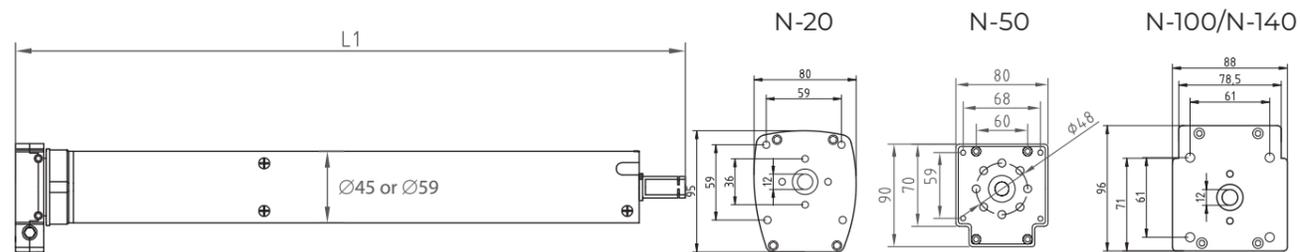
Motors with manual emergency crank handle are compatible with:
**60mm and 70mm and 102 mm diameter octagonal tubes and
 70mm and 78mm diameter round tubes.**

Mechanical limit switches.

Operating frequency 433,92MHz

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 REF	Weight (kg)	Length L1 (mm)
N-20NHK	YYGL45M-20/15 GM45M-20/15	20	15	45	230	50	166	0,74	>=4	IP 44	23	2,55	568
N-20R NHK	YYGL45MR-20/15 GM45MR-20/15	20	15	45	230	50	166	0,74	>=4	IP 44	23	2,55	640 650
N-50NHK	YYGL45M-50/12 GM45M-50/11	50	12 11	45	230	50	232 180	1,01 0,80	>=4	IP 44	21	3,00	590 610
N-50R NHK	YYGL45MR-50/12 GM45MR-50/11	50	12	45	230	50	232	1,01	>=4	IP 44	21	3,20	720 730
N-100NHK	YGL59M-100/12 GM59M-100/11	100	12 11	59	230	50	350 342	1,52 1,53	>=4	IP 44	21	5,65	685 658
N-100 R NHK	YYGL59MR-100/12 GM59MR-100/11	100	12 11	59	230	50	350 342	1,52 1,53	>=4	IP 44	21	5,65	790 726
N-140NHK	YYGL59M-140/9 GM59M-140/7	140	9 7	59	230	50	430 378	1,86 1,64	>=4	IP 44	21 20	6,20	685 658

R- radio controlled motor

DC motor with built-in radio receiver powered by solar panel



DC radio motor with overload detection, with built-in battery and solar panel included, designed for:

**40 mm, 50 mm and 60 mm diameter octagonal tubes and
 38 mm, 63 mm and 78 mm diameter round tubes.**

Electronic limit switches. The battery is charged by the solar panel. If the energy provided by the solar panel is insufficient, the battery can be charged using an auxiliary charger (available as an optional accessory). Motor installation with blocking hangers and stoppers in the lower slat.

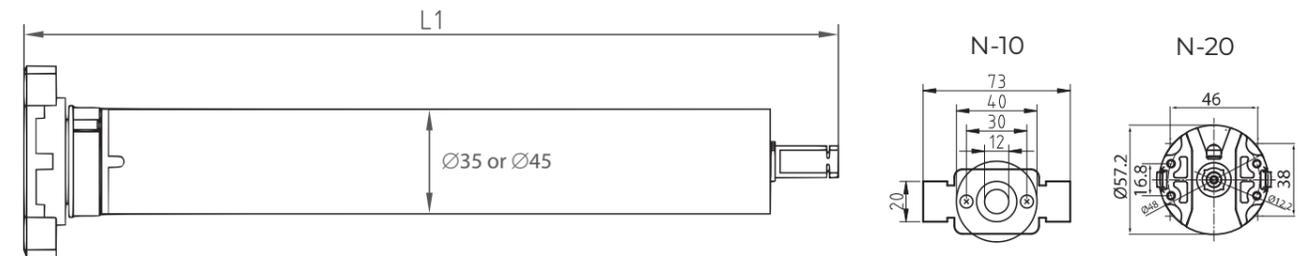
Operating frequency 433,92MHz

The set includes:

- crown
- adapter
- mounting bracket
- solar panel

Technical data of solar panel:

- dimensions: 470x60x3mm
- made from glass-epoxy laminate



	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 REF	Weight (kg)	Length L1 (mm)
N-10LER	WM35DS-10/14 GM35LE-10/09	10	9 14	35	12	DC	21,6	1,8	>= 4	IP 44	30	1,55 1,20	655 660
N-20LER*	WM45DS-20/10	20	10	45	12	DC	55	1,8	> 5	IP 44	30	2,40	760

LER – radio controlled DC motor with solar panel

NOTE: 2-years guarantee for the battery and solar panel

*soon in sale

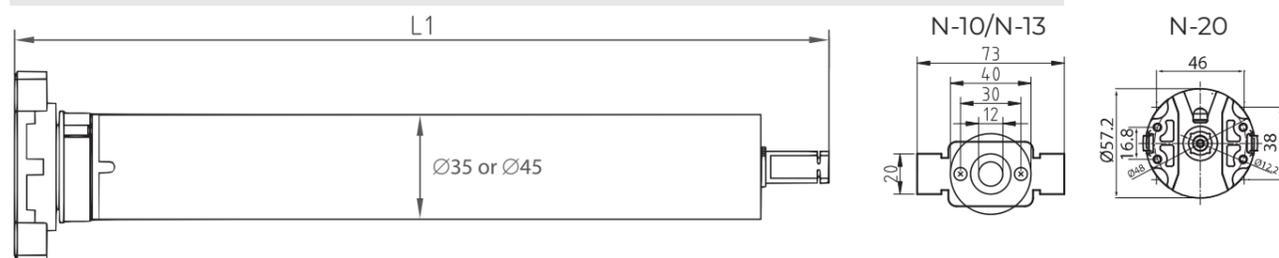
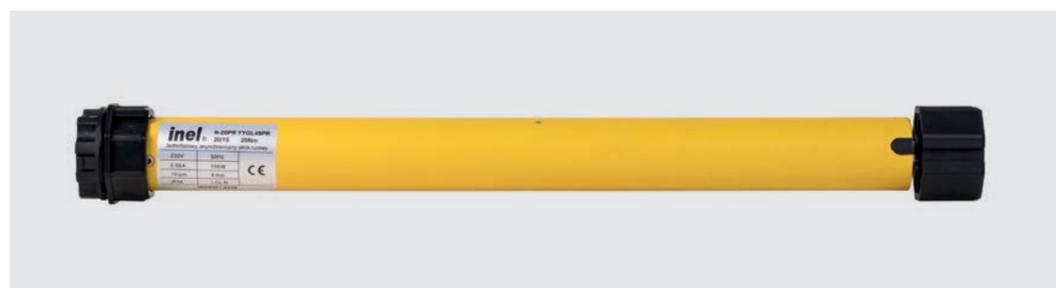
With overload detection function



Motors with overload detection function are compatible with: **40 mm, 50mm and 60mm diameter octagonal tubes.**

The limit positions are set automatically. Motor installation with blocking hangers and stoppers in the lower slat. PR type of motors can be used with a monostable roller shutter switch (a two-way) for manual control. Operating frequency 433,92MHz

- 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 REF	Weight (kg)	Length L1 (mm)
N-10P	YYGL35P-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,50	555
N-10PR	YYGL35PR-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,55	555
N-10PSH	YYGL45E-10/15	10	15	45	230	50	132	0,58	>= 4	IP 44	25	2,5	395
N-13P	YYGL35P-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,50	555
N-13PR	YGL35PR-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,55	555
N-20P	YYGL45P-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	1,95	530
N-20PR	YYGL45PR-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

P- wired motor with overload detection function
 PR- radio controlled motor with overload detection function
 PSH - wired short motor with overload detection function

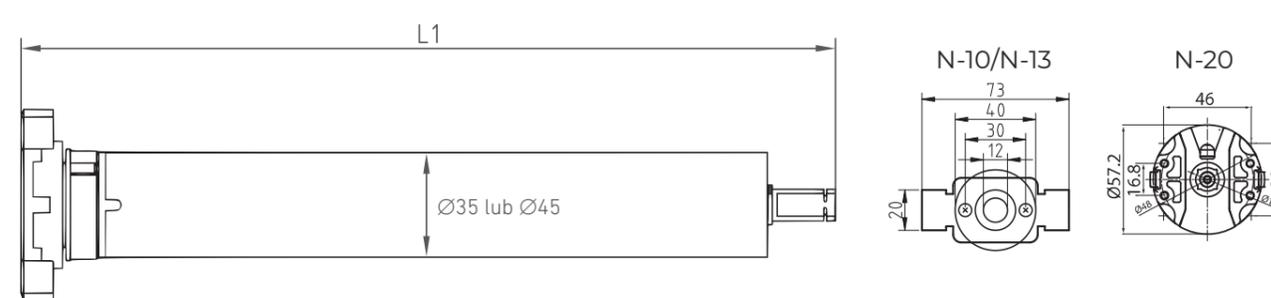
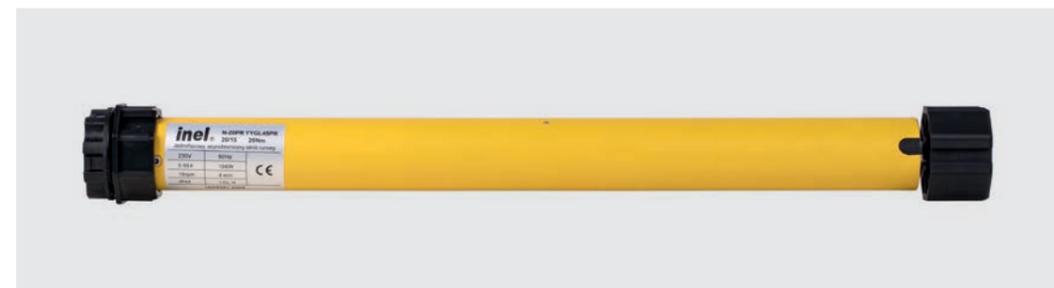
With obstacle detection function



Motors with obstacle detection function are compatible with: **40 mm and 60mm diameter octagonal tubes.**

Electronic limit switches. The motor installation with soft hangers. RE type of motors can be used with a monostable roller shutter switch (a two-way) for manual control. The limit positions can be set manually or automatically. Operating frequency 433,92MHz

- 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 REF	Weight (kg)	Length L1 (mm)
N-10E	YYGL35E-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,50	555
N-10RE	YYGL35RE-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,55	555
N-13E	YYGL35E-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,50	555
N-13RE	YYGL35RE-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,55	555
N-20E	YYGL45E-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	1,95	530
N-20RE	YYGL45RE-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

E - wired motor with obstacle detection function
 RE - radio controlled motor with obstacle detection function

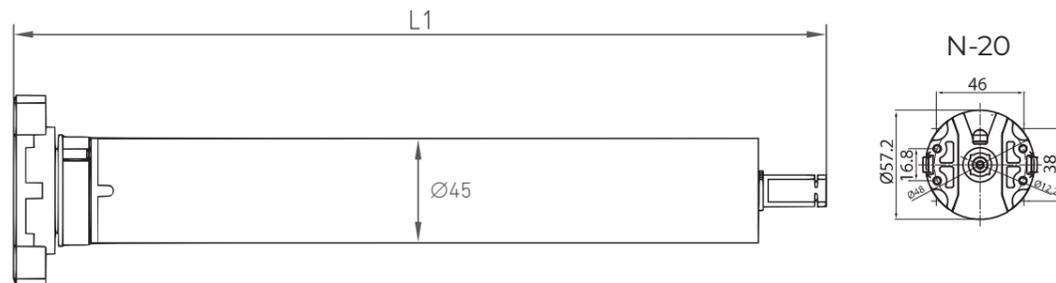
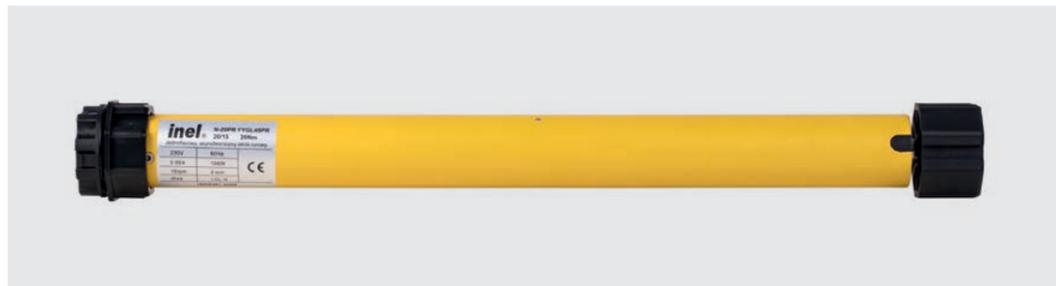
With obstacle detection function for ZIP screen



Motors with obstacle detection function for ZIP screen are compatible with: **63 mm and 78 mm diameter round tubes.**

Electronic limit switches. The limit positions can be set manually or automatically. RES type of motors can be used with a monostable roller shutter switch (a two-way) for manual control. Operating frequency 433,92MHz

- 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 REF	Weight (kg)	Length L1 (mm)
N-20ES	YYGL45ES-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	1,95	530
N-20RES	YYGL45RES-20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

ES – wired motor with obstacle detection function for screen zip blinds
 RES – radio controlled motor with obstacle detection function for screen zip blinds

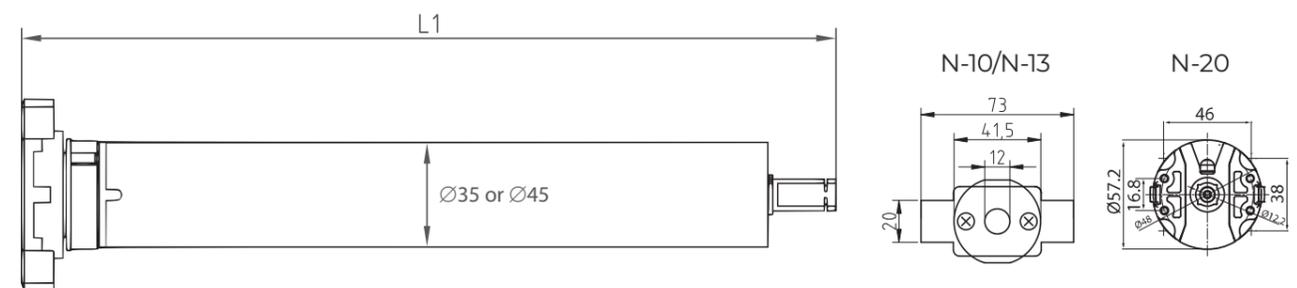
With built-in radio receiver for InelControl system



Motors with built-in radio receiver and overload detection function are compatible with: **40 mm, 50 mm and 60 mm diameter octagonal tubes.**

The tubular motors are compatible with roller shutters only. The limit positions are set automatically. Tubular motors can be used with a monostable roller shutter switch (a two-way) for manual control. Motor installation with blocking hangers and stoppers in the lower slat. Operating frequency: 868,30 MHz

- 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 REF	Weight (kg)	Length L1 (mm)
N-10PRIC	YYGL35PRIC-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,55	555
N-13PRIC	YYGL35PRIC-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,55	555
N-20PRIC	YYGL45PRIC20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

PRIC- radio controlled motor with overload detection function for InelControl System (bidirectional communication)

With built-in radio receiver for InelSmart system



Tubular motors with built-in radio receiver with overload detection system compatible with: octagonal tube with a diameter of 40 mm, 50 mm, and 60 mm.

The tubular motors are compatible with outdoor roller shutters only.

The limit positions are set automatically.

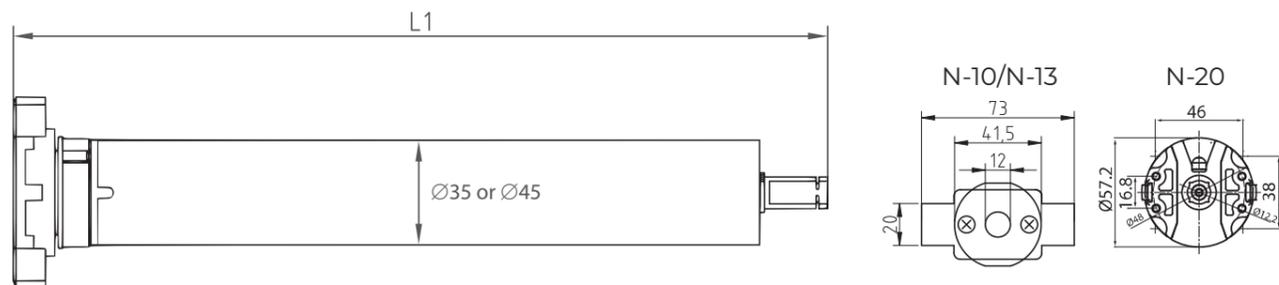
A monostable roller shutter switch (a two-way) allowing manual motor control can be connected to the motors.

Motor installation with blocking hangers and stoppers in the lower slat.

Operating frequency: 868,30 MHz

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 REF	Weight (kg)	Length L1 (mm)
N-10PRX	YYGL35PRX-10/17	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,55	555
N-13PRX	YYGL35PRX-13/14	13	14	35	230	50	126	0,56	>=4	IP44	25	1,55	555
N-20PRX	YYGL45PRX20/15	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

PRX - radio controlled motor with overload function for InelSmart System (bidirectional communication)



Multifunctional radio drives designed for:

40 mm, 50 mm and 60 mm diameter octagonal tubes and 38 mm, 63 mm and 78 mm diameter round tubes.

The obstacle detection function applies to covers: roller shutters and screens.

Motors designed for external and internal roller blinds, screens, and shutters.

The standard operation mode is for roller shutter. Optionally, the mode (cover type) can be changed from the PIL-99TSTX remote control and InelSmart unit level.

Electronic limit switches. The motor installation with soft hangers.

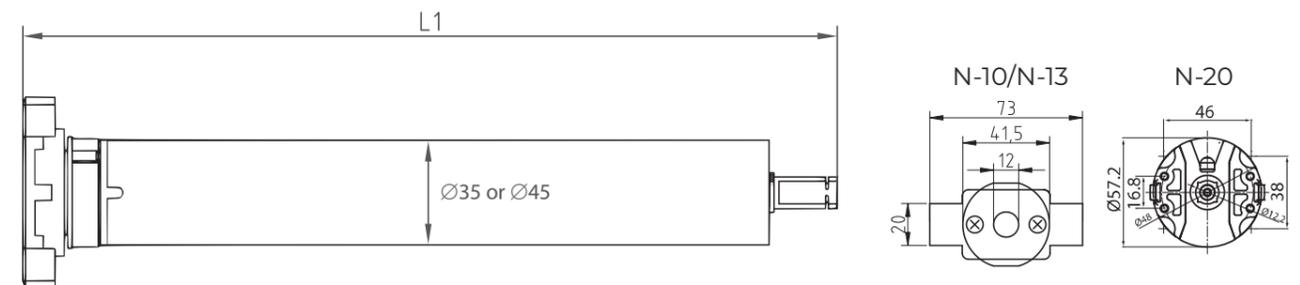
Tubular motors can be used with a monostable roller shutter switch (a two-way) for manual control.

The limit positions can be set manually or automatically.

Operating frequency: 868,30 MHz

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 REF	Weight (kg)	Length L1 (mm)
N-10REX PLUS*	YYGL35REX-10/17 PLUS	10	17	35	230	50	126	0,56	>=4	IP 44	25	1,55	555
N-13REX PLUS*	YYGL35REX-13/14 PLUS	13	14	35	230	50	126	0,56	>=4	IP44	25	1,55	555
N-20REX PLUS*	YYGL45REX20/15 PLUS	20	15	45	230	50	156	0,68	>=4	IP 44	25	2,00	530

*soon in sale

REX PLUS - universal radio controlled motor with obstacle detection function for InelSmart System (bidirectional communication)

Remote controls

We offer a wide range of remote controls:
for tubular motors with built-in radio receiver,
controllers and central control units.
The use of hopping codes ensures
the highest level of security.

Hand-held series PM



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, CR-2032 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3 V (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: requested motor operation direction, channel number, low battery
- venetian blinds mode (setting slat angle)
- the short mode allows to limit the number of channels
- channel "0" is used to control all motors which have been registered with the given remote control
- battery powered
- included: remote control with wall hanger, CR-2032 battery

Technical overview:

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



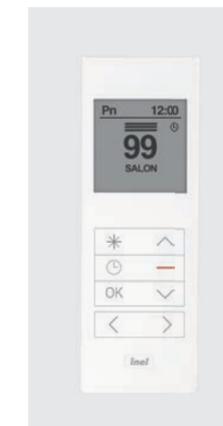
PIL-19/99PMT

Product features:

- supports 19 or 99 independent receivers and/or receiver groups
- built-in clock and calendar with astro function, allowing to automatically run timed programmes
- create up to 32 time 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)
- venetian blinds mode (setting slat angle)
- blind/shutter unsealing feature
- menu in 4 languages: Polish, English, German and French
- short mode allows to limit the number of channels
- channel "00" is used to control all devices which have been registered with the given remote control
- battery powered
- included: remote control with wall hanger, 2 x CR-2032 batteries

Technical overview:

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



Series DL



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, CR-2430 battery
- Technical overview:**
- dimensions: 130×45×12 mm
 - supply: 3 V (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
 - venetian blinds mode (setting slat 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, CR-2430 battery
- Technical overview:**
- dimensions: 130×45×12 mm
 - supply: 3 V (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
- LCD display indicating: drive operation direction, channel number, low battery
- venetian blinds mode (setting slat angle)
- channel "0" is used to control all devices which have been registered with the given remote
- battery powered
- magnetic wall hanger, modern design, ease of use
- 3 colour versions available: white, black and black-and-white
- included: remote control with magnetic wall hanger, CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3 V (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
- built-in clock and calendar with astro function, allowing to automatically run timed programmes
- create up to 32 timed programme scenarios
- the graphic display used shows: the requested motor 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)
- venetian blinds mode (setting slat angle)
- blind/shutter unsealing feature
- menu in 4 languages: Polish, English, German and French
- channel "00" is used to control all devices which have been registered with the given remote control
- the short mode allows to limit the number of channels
- 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, CR-2430 battery

Technical overview:

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



series MMT



Pilot PIL-19/99MMT

Product features:

- supports 19 or 99 independent receivers and/or receiver groups
- built-in clock and calendar with astro function, allowing to automatically run time programmes
- create up to 30 timed programme scenarios
- color clear LCD display indicating: drive operation direction, channel number, day of the week and time, battery condition
- it is possible to create names for individual channels dedicated to rooms within the area (up to 16 alphanumeric characters)
- venetian blinds mode (setting slat angle)
- blind/shutter unsealing feature
- menu in 5 language versions: Polish, English, German, French and Romanian
- channel "00" is used to control all drives which have been registered with the given remote control
- 2 color versions available: white or black
- battery powered
- the short mode allows to limit the number of channels
- included: remote control with wall hanger and 2xAAA battery

Technical overview:

- dimensions: 150x42x21 mm
- supply: 3 V (2 x AAA battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



series TST



PIL-99TST

Product features:

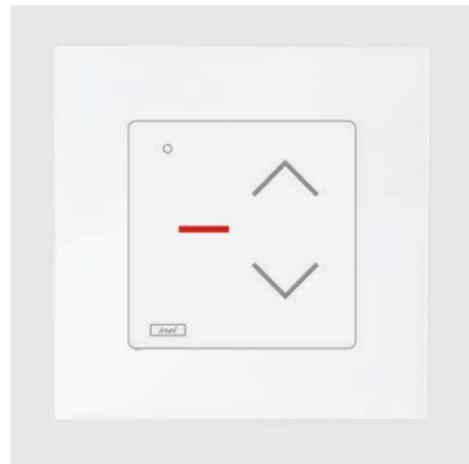
- colour touch screen
- supports up to 99 individual receivers and/or receiver groups
- built-in clock and calendar with astro function, allowing to automatically run time programmes
- create up to 32 time programme scenarios
- add names to individual channels
- venetian blinds mode (setting slat angle)
- blind/shutter unsealing feature
- menu available in 6 language versions: Polish, English, German and French, Romanian and Russian
- channel "00" is used to control all drives which have been registered with given remote control
- simple mode with limited number of channels
- included: remote control with magnetic wall hanger and USB-C /USB-A power cable

Technical overview:

- dimensions: 168 x 63 x 13 mm
- power supply: built-in 3.7 VDC battery
- charging: USB C 5 VDC 1 A
- operating temperature: from -10°C to +55°C
- operating frequency: 433.92 Hz



Wall-mounted NS series



PIL-01NS

Product features:

- supports 1 independent receiver and/or 1 receiver group
- touch panel control
- LED indicating command transmissions
- venetian blinds mode (setting slat 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: 3 V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz

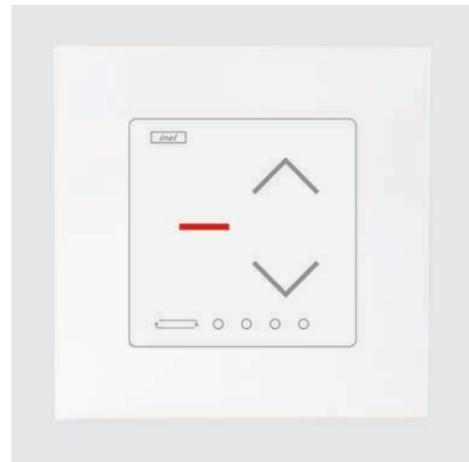
PIL-04NS

Product features:

- supports 4 independent receivers and/or receiver groups
- touch panel control
- LEDs signalise the command and channel number
- venetian blinds mode (setting slat 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: 3 V (CR-2032 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 433.92 MHz



Keyring type XB series



PIL-02XB

Product features:

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

Technical overview:

- dimensions: 55×30×14 mm
- supply: 3 V (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, CR-2032 battery

Technical overview:

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



for InelControl system



PIL-05DLIC

Product features:

- controls devices registered in the InelControl central control unit
- supports 5 independent receivers and/or receiver groups
- the ability to run the scenes
- battery powered
- 3 color 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: 3 V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 868,3 MHz



for InelSmart system



PIL-01DLX

Product features:

- controls devices registered in the InelSmart central control unit
- supports 1 independent receiver
- 3 color versions available: white, black, black-and-white
- battery powered
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130×45×12 mm
- supply: 3 V (CR-2430 battery)
- operating temperature from -10°C to +55°C
- operating frequency: 868,3 MHz





PIL-05DLX

Product features:

- controls devices registered in the InelSmart central control unit
- supports 5 independent receivers
- 3 color versions available: white, black, black-and-white
- battery powered
- included: remote control with magnetic wall hanger and CR-2430 battery

Technical overview:

- dimensions: 130x45x12 mm
- zasilanie: 3 V (CR2430)
- operating temperature: from -10 °C to +55 °C
- operating frequency: 868,3 MHz



PIL-99TSTX

Product features:

- colour touch screen
- supports up to 99 individual receivers
- two way communication channel (device status on the remote control screen)
- comfort position
- built-in clock and calendar with astro function, allowing to automatically run time programmes
- create up to 50 time programme scenarios
- add names to individual channels
- venetian blinds mode (setting slat angle)
- blind/shutter unsealing feature
- menu in 4 languages: Polish, English, German and French, other languages available on demand
- ability to assign devices to places
- simple mode with limited number of channels
- included: remote control with magnetic wall hanger and USB-C /USB-A power cable

Technical overview:

- dimensions: 168 x 63 x 13 mm
- power supply: built-in 3.7 VDC battery
- charging: USB C 5 VDC 1 A
- operating temperature: from -10°C to +55°C
- operating frequency: 868,3 Hz



Inel-Home

Inel-Home control systems make it possible to control: roller shutters, blinds, awnings, garage doors, entrance gates, light points and electrical sockets.



Radio system InelNet



It is the simplest of all available Inel radio systems.

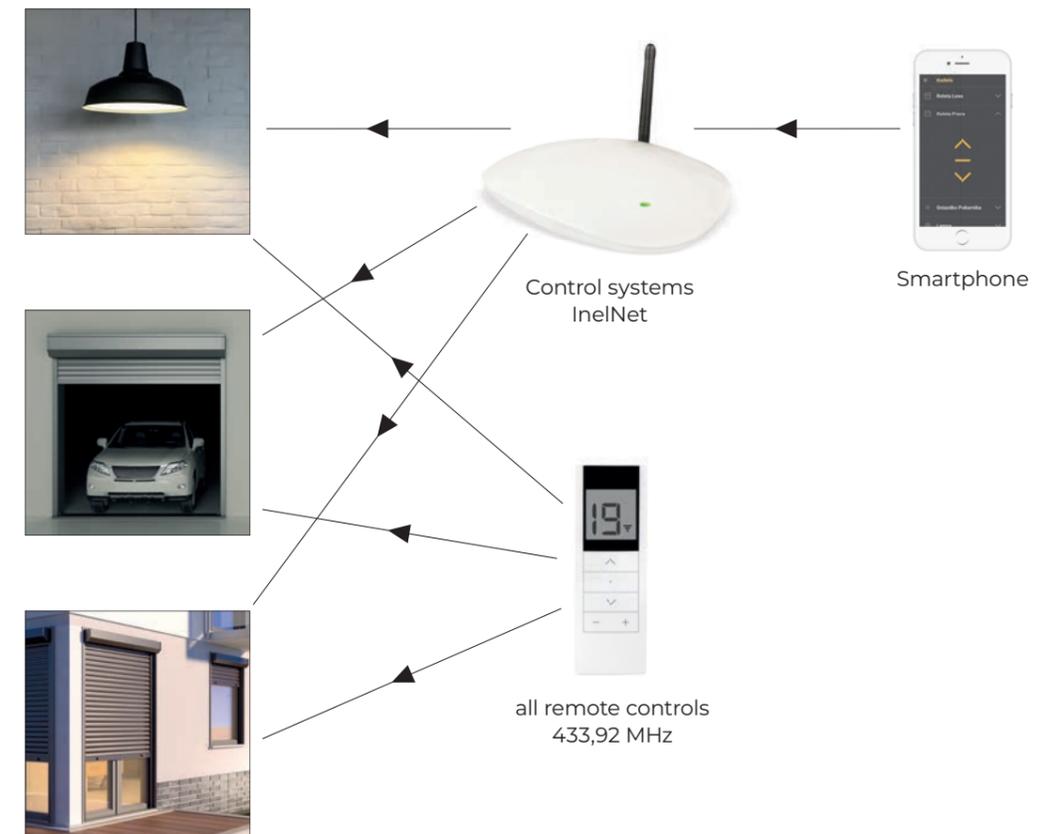
Enables controlling all INEL devices with built-in radio receiver operating on the frequency of 433.92 MHz.

The primary system components are remote controls, drives, controllers, and sliding gate control units.

The InelNet internet central control unit for local control of devices and remote control via smartphone using a dedicated InelNet mobile app is an additional element.

InelNet system components:

- **motors with built-in radio receiver:** basic, EKO, with obstacle detection function, with overload function, with emergency crank handle and DC type with solar panel
- **controllers:** ST-01R, ST-01RS, ST-01RZ, ST-01RLZ, ST-01RN
- **door control unit:** CRS-435XG, CRS-436XG, Cent-D, ORS-XIT
- **remote controls series:** PM, DL, MMT, TST, NS, XB
- **internet control unit InelNet**



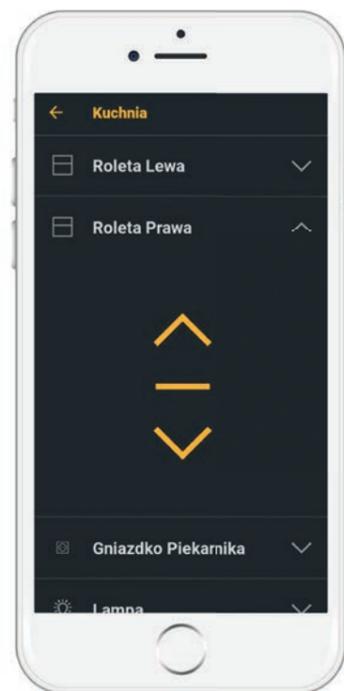
Internet control unit InelNet

Product features:

- access to the device via Wi-Fi or Internet,
- dedicated mobile app for iOS and Android,
- the control unit can support up to 99 independent channels,
- Ethernet cable for router connection,
- available in 4 languages: Polish, English, German, French
- the set includes: control unit with power supply and Ethernet cable.

Technical overview:

- dimensions: 140×111×36 mm
- supply voltage: 5 VDC
- operating temperature: from -10 °C to +55 °C
- frequency: 433,92 MHz



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free app



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Radio system InelControl



It is INEL's most advanced radio system operating on the frequency of 868,30 MHz. The main system component is InelControl central control unit for two-way communication with other system devices, such as drives, controllers, and weather sensors.

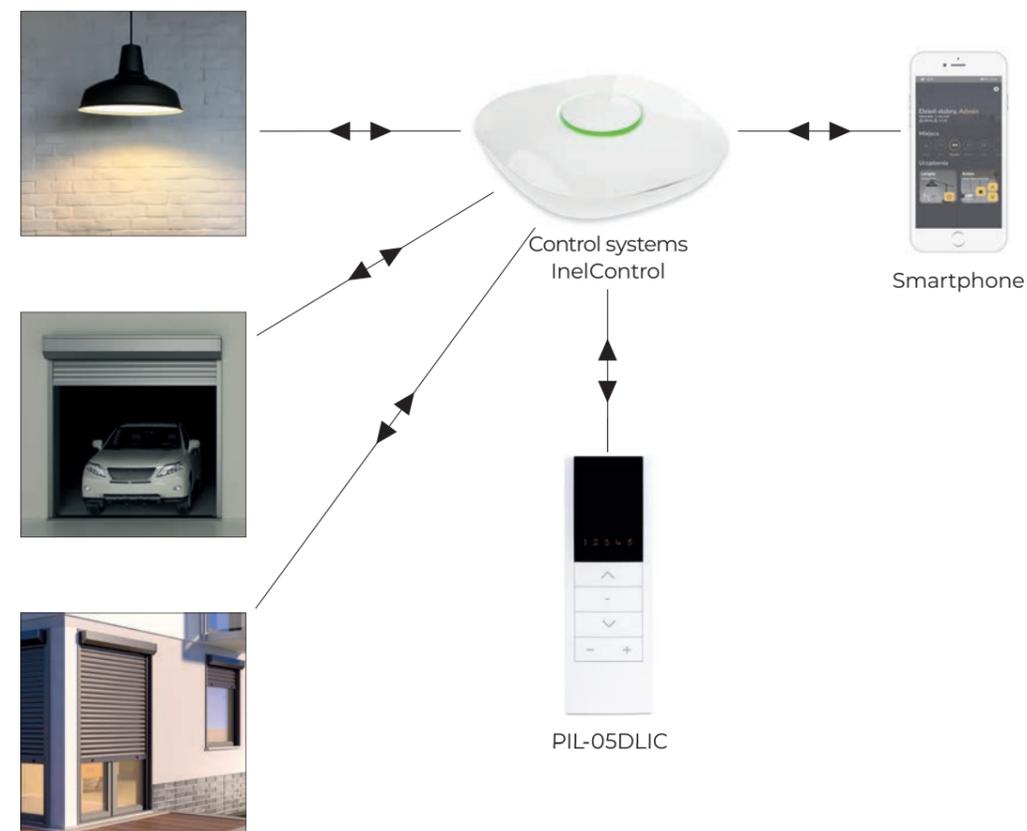
PIL-05DLIC remote control for easy and fast operation of selected devices is an additional system element.

A dedicated InelControl mobile app for iOS and Android for fast and intuitive system configuration.

Two-way communication provides device status information and automatic searching and registering of devices in the system.

InelControl system components:

- **internet control unit InelControl**
- **motors** with built-in radio receiver series PRIC
- **controllers:** ST-01IC, ST-02IC
- **door control unit:** ORS-01IC
- **sensors:** wind, rain, light and temperature
- **remote control** PIL-05DLIC



Internet control unit InelControl

Product features:

- access to the device via Wi-Fi or Internet,
- a dedicated mobile app for iOS and Android,
- the control unit controls up to 99 individual devices,
- automatic device management using scenes and scenarios,
- app available in 4 languages: Polish, English, German, French
- router connection: via Wi-Fi,
- the set includes: control unit with power supply.

Technical overview:

- dimensions: 110x110x33 mm
- supply voltage: 5 VDC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 868,30 MHz



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Radio system InelSmart



It is a new generation radio system operating on the frequency of 868,30 MHz. Full system operation and configuration functionality thanks to PIL-99TSTX remote control or InelSmart internet central control unit.

Additionally, the system devices can be operated using: PIL-01DLX or PIL-05DLX.

The internet central control unit expands system possibilities with remote control via smartphone.

A mobile app for devices with Android and iOS systems is available.

Two-way communication provides device status information and automatic searching and registering of devices in the system.

InelSmart system components:

- **motors** with built in radio receivers series: PRX and REX Plus
- **controllers**: ST-01X, ST-01RX
- **door control unit**: ORS-01X
- **remote controls series**: PIL-99TSTX, PIL-01DLX, PIL-05DLX
- **internet control unit InelSmart**



Internet control unit InelSmart

Product features:

- access to the device via Internet,
- a dedicated mobile app for iOS and Android,
- the control unit controls up to 99 individual devices,
- automatic device management using time programmes,
- app available in 4 languages: Polish, English, German, French
- router connection via Wi-Fi,
- control unit configuration via Bluetooth,
- the set includes: control unit with power supply

Technical overview:

- dimensions: 110x110x33 mm
- supply voltage: 5 VDC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 868,30 MHz



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Controllers

**Controllers with radio receivers are used to control:
roller shutters, facade blinds,
internal horizontal shutters and light sources.
Wireless controllers work
with all our remote controls.**



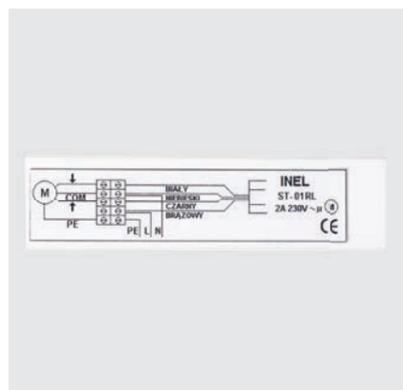
ST-01R/ST-01RS/ST-01RZ

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: 50×51×27 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 433,92 MHz



ST-01RLZ

Product features:

- controller in sealed housing mounted to the side of the roller blind cassette
- one controller can operate only one drive
- universal controller can control: roller shutters, 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

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 color options (white, silver, anthracite)

Technical overview:

- dimensions: 80×80×40 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 433,92 MHz

For InelControl system



ST-01IC single-channel controller

Product features:

- ON/OFF controller for InelControl system devices
- controls lighting outlets and electrical sockets
- radio or monostable switch control
- device configuration for automatic operation using time or sensor-triggered scenarios
- installed in flush-mounted wall box

Technical overview:

- dimensions: 56×56×26 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 868,3 MHz



ST-02IC dual-channel controller

Product features:

- ON/OFF controller for InelControl system devices
- controls lighting outlets and electrical sockets
- radio or monostable switch control
- device configuration for automatic operation using time or sensor-triggered scenarios
- installed in flush-mounted wall box

Technical overview:

- dimensions: 56×56×26 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 868,3 MHz

For InelSmart system



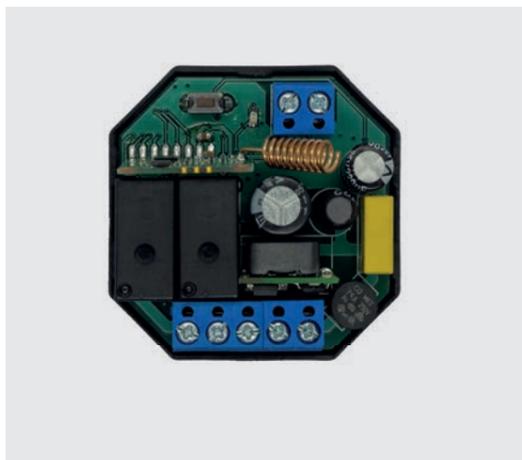
ST-01X controller

Product features:

- ON/OFF controller for InelSmart system devices
- controls lighting outlets and electrical sockets
- radio or monostable switch control
- device configuration for automatic operation using time-triggered scenarios
- installed in a deep flush back box

Technical overview:

- dimensions: 56*56*26 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 868,3 MHz



ST-01RX controller

Product features:

- motor controller with overload protection
- closed, partially and fully open status
- only one motor with mechanical limit switches can be connected to each controller
- can be connected to a shutter button of any manufacturer

Technical overview:

- dimensions: 56*56*26 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- frequency: 868,3 MHz

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, magnetic loops, pressure, optical and resistance safety edges.

One-channel control units



CRS-435XG

Product features:

- supports 1 drive
- remote radio control (any Inel remote control) and manual wired control (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 remote controls

Technical overview:

- dimensions: 155x119x75,5 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 433,92 MHz



CENT-D

Product features:

- supports 1 motor
- remote radio control of any Inel remote control and manual control (buttons on the housing)
- memory for registering up to 30 remote controls
- can be connected to a variety of devices: photocells, safety devices
- includes: control unit with two PIL-02XB remote controls

Technical overview:

- dimensions: 120x80x36 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 433,92 MHz

Two-channel control unit



CRS-436XG

Product features:

- supports 2 drives
- remote radio control (any Inel remote control) and manual wired control (sequential switch)
- 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 remote controls

Technical overview:

- dimensions: 155x119x75,5 mm
- supply voltage: 230 VAC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 433,92 MHz

Radio receivers



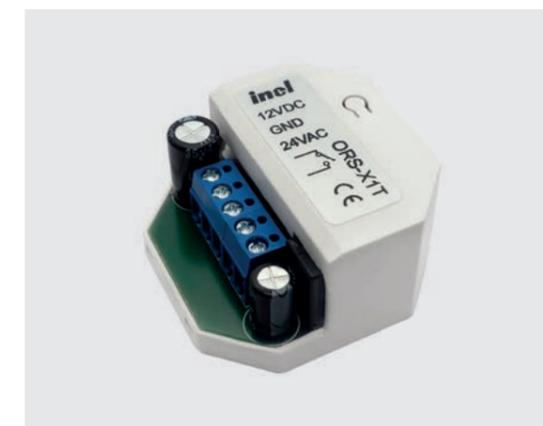
ORS-X1T

Product features:

- supports control units (e.g. sliding door, tilt-up door etc.) of various manufacturers using any Inel remote controls
- stores up to 15 remote controls in standard version
- two remote controls (PIL-02XB) included

Technical overview:

- dimensions: 50 x 51 x 27 mm
- supply voltage: 12 VDC or 24 VAC
- operating temperature: -10°C do +55°C
- operating frequency: 433,92 MHz



ORS-01IC to InelControl system

Product features:

- integration of various manufacturers control units with InelControl system
- closed, partially and fully open status display

Technical overview:

- dimensions: 52x52x30 mm
- supply voltage: 12 VDC or 24 VDC/AC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 868,3 MHz



ORS-01X to InelSmart system

Product features:

- InelSmart system integration with third-party gate control units
- closed, partially and fully open status display

Technical overview:

- dimensions: 52x52x30 mm
- supply voltage: 12 VDC or 24 VDC/AC
- operating temperature: from -10 °C to +55 °C
- operating frequency: 868,3 MHz



Accessories



Shock sensor for sunblinds

Product features:

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

Technical overview:

- dimensions: 130×40×25 mm
- supply: 3 VDC (2x 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
- The set includes:
 - retransmitter
 - charger

Technical overview:

- dimensions: 130×40×25 mm
- internal supply: 5 VDC
- 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 V AC
- 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 V AC
- operating temperature: from -30°C to +50°C
- manufacturer: Inprojal



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 wireless 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



ROYAL S control timer

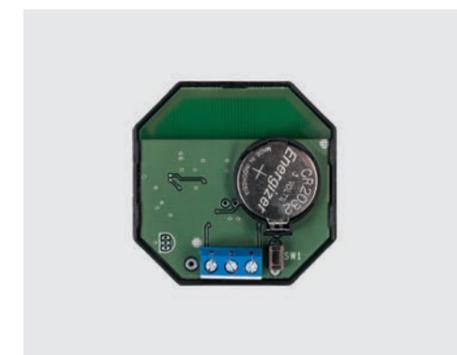
Controller for a wired system using a 230V control bus

Product features:

- automatic daily programming, holiday mode, impulse operation
- large backlit color 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 flush-mounted remote PIL-01PT

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

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: 3 V battery (CR-2032) or 12V DC power supply
- operating temperature from -10°C to +55°C
- operating frequency: 433,92 MHz



FOT-01

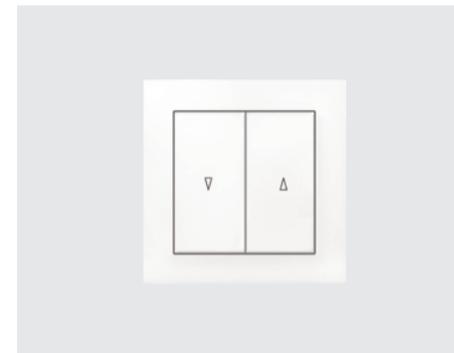
Photocell for control units: CRS-435XG, CRS-436XG

Product features:

- protection against unexpected gate closing
- universal NO/NC input

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



MAN-001

The manual switch enables manual control of the motor

Technical overview:

- dimensions: 85×85×40 mm
- supply voltage: 230 VAC
- operating temperature from 0°C to +45°C
- manufacturer: Ospel



Installation cable

Cable for programming wired motors with obstacle or overload detection function.



Charger

Charger for DC type drive powered by a solar panel

Cardan joint



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



Sensors to InelControl system



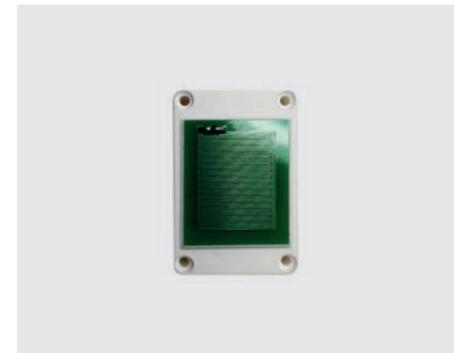
Wind sensor

Product features:

- wind sensor for InelControl system
- triggers scenes after reaching a preset wind speed
- automatically sets safe position for devices susceptible to strong winds and restores previous position in normal wind conditions
- detects wind speeds from 1 m/s
- the set includes:
 - wind sensor
 - power supply

Technical overview:

- dimensions: 230x120x105 mm
- supply voltage: 12 VDC or 24VDC/AC
- operating temperature: from -20°C to +55°C
- frequency: 868,3 MHz



Rain sensor

Product features:

- rain sensor for InelControl system consists from 2 elements
- triggers scenes after detecting precipitation (rain or snow)
- the set includes:
 - rain sensor
 - controller
 - power supply

Technical overview:

- dimensions: 52x52x30 mm and 65x45x37 mm
- supply voltage: 12 VDC
- operating temperature: from -20°C to +55°C
- frequency: 868,3 MHz



Light and temperature sensor

Product features:

- light and temperature sensor for InelControl system
- measures light intensity (lux) and ambient temperature at 1°C accuracy
- triggers scenes after reaching a preset light intensity or temperature

Technical overview:

- dimensions: 136x29x26 mm
- supply voltage: 3 VDC (2x batteries AAA)
- operating temperature: from -20°C to +55°C
- frequency: 868,3 MHz

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



ZIP
Adapter Ø63 mm



ZIP
Adapter Ø78 mm



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
6Nm	∅=40 mm	11 kg	9,5 kg	9 kg	8 kg	-	-	-
10Nm	∅=40 mm	20 kg	19 kg	18 kg	17 kg	-	-	-
13Nm	∅=40 mm	28 kg	26 kg	24 kg	22 kg	-	-	-
20Nm	∅=50 mm	46 kg	44 kg	41 kg	39 kg	-	-	-
20Nm	∅=60 mm	42 kg	40 kg	38 kg	36 kg	-	-	-
40Nm	∅=60 mm	83 kg	79 kg	72 kg	69 kg	-	-	-
40Nm	∅=70 mm	70 kg	68 kg	66 kg	64 kg	-	-	-
50Nm	∅=60 mm	88 kg	84 kg	81 kg	78 kg	-	-	-
50Nm	∅=70 mm	82 kg	80 kg	77 kg	74 kg	-	-	-
100Nm	∅=70 mm	-	-	117 kg	110 kg	105 kg	100 kg	-
140Nm	∅=70 mm	-	-	-	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.

over
35 years
of experience

Inel sp. z o. o.
ul. Mostowa 1
80-778 Gdańsk
Poland

+48 58 301 15 81
+48 58 305 49 77
biuro@inel.gda.pl

inel.gda.pl

