



SOMMER

Roller shutters and awning operators

Convenient controls for comfortable living





WE DELIVERY THE QUALITY – YOU ENJOY THE CONVENIENCE!

With reliable gate operators from SOMMER, you can be assured of durability for years to come. This is not only because of their high quality and

easy operation, but also because they are meticulously crafted and certified, which allows you to find the perfect operator for you.

3

PROVEN TECHNOLOGY AND EFFICIENT ENERGY USE

Safety and accident prevention are SOMMER's highest priorities. Our operators are equipped with dependable technology that complies with applicable standards.

In the age of ever-increasing prices, an efficient use of energy is more important than ever. The tube motors, in combination with a controller, can help you to reduce your heating costs.

By closing your roller blinds at the proper time, you can reduce your heating energy needs by up to 10 % and prevent cold air from getting in through the large glass surfaces and leaky windows and prevent heat from escaping outside.

Since you cannot always be at home, the tubular motor controls with built-in time clock and Astro function do this for you. For example on request,

the "ContRoll Astro" control can automatically adjust the opening and closing times to the course of the sun over the year.

By installing a tubular motor from SOMMER, you are ensured the optimal solution both for the retro-fitting of existing roller shutters and awnings as well as for new constructions.

The tangible benefits will win you over.

ROLLER SHUTTERS AND
AWNING DRIVES:

PERFECT LIGHTING CONDITIONS

CONTROLLED
ACCORDING
TO YOUR
REQUIREMENTS!

4

**FROM YOUR EARLY-MORNING COFFEE
UNTIL YOU GO TO BED: SAFE AND
COMFORTABLE IN YOUR HOME**

Roller shutters and awnings perfectly controlled to fit the course of the day are not only perfect for assuring privacy and discretion. They also ensure safety, shield you from the outside and dampen annoying noise, making for a relaxing sense of well-being and escape from everyday life.





Tubular motors

Durable and powerful operator for optimal sun protection

Technology:

SOMMER tubular motors have mechanical limit switches and can be used for both roller shutters and awnings.

Quick and easy installation.

Even more options with the controllers and numerous accessories, such as light sensors, wind sensors or radio receivers.

Retro-fitting of existing roller shutters or awning is simple.



Gentle on the mechanics of the roller shutters and awnings thanks to uniform movement.

5-year warranty on parts for tubular motors for roller shutters and awnings as well as their controls and fittings.

121083
2008 / 05
CE

Safety characteristics are tested in SOMMER's own test centre in accordance with legal regulations and standards.

Scope of delivery:

- Tubular motor including 1.9 m cable
- Adapter for 40 size octagonal tube only for A 10/17/35
- Adapter for 60 size octagonal tube only for A xx/xx/45
- Wall anchor (offset)

AN OVERVIEW OF OUR TUBULAR MOTORS

	A 10/17/35	A 10/15/45	A 20/15/45	A 30/15/45	A 40/15/45	A 50/12/45
Part No. ¹⁾	# 3940V000	# 3950V000	# 3951V000	# 3952V000	# 3953V000	# 3954V000
Adapter set ¹⁾	40 mm octagon	60 mm octagon	60 mm octagon	60 mm octagon	60 mm octagon	60 mm octagon
Wall bracket, offset ¹⁾	Load-bearing capacity 48/60 mm	Load-bearing capacity 48/60 mm	Load-bearing capacity 48/60 mm	Load-bearing capacity 48/60 mm	Load-bearing capacity 48/60 mm	Load-bearing capacity 48/60 mm

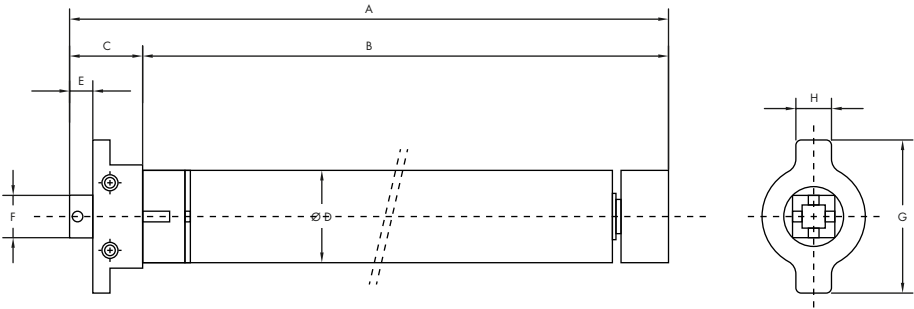
Operator:						
Maximum torque [Nm]	10	10	20	30	40	50
Speed [1/min.]	17	15	15	15	15	12
Limit switch capacity [U]	30	22	22	22	22	22

Connected loads:						
Operating voltage [V]	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
Frequency [Hz]	50	50	50	50	50	50
Rated current consumption [A]	0.55	0.5	0.7	0.8	0.9	0.9
Power [W]	125	120	160	185	210	210
Approved operating mode KB	4 min.	4 min.	4 min.	4 min.	4 min.	4 min.
Protection class	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Length of connecting cable [m]	2	2	2	2	2	2
Connecting cable	4 x 0.75 mm²	4 x 0.75 mm²	4 x 0.75 mm²	4 x 0.75 mm²	4 x 0.75 mm²	4 x 0.75 mm²

1) The adapter set and the wall bracket are included in the delivery.

Operator	A	B	C	D	E	F	G	H
A 10/17/35	520	490	30	35	14	10×10	70	20
A 10/15/45	487	450	37	45	14	10×10	70	20
A 20/15/45	487	450	37	45	14	10×10	70	20
A 30/15/45	557	520	37	45	14	10×10	70	20
A 40/15/45	557	520	37	45	14	10×10	70	20
A 50/12/45	557	520	37	45	14	10×10	70	20

All dimensions are in millimetres; subject to misprints, errors and technical changes.



HOW TO FIND THE SUITABLE TUBULAR MOTOR

Tube motors for roller shutters

Roller shutter shaft	Operator	Article No.	Necessary accessories	Torque [Nm]	Weight [kg]	shutter area		
						PVC [m²]	Aluminium [m²]	Wood [m²]
40 mm octagon	A 10/17/35	#3940V000	-	10	25	5.5	4.2	-
	A 10/15/45	#3950V000	-	10	20	4.4	3.3	-
	A 20/15/45	#3951V000	-	20	40	8.8	6.7	-
60 mm octagon	A 30/15/45	#3952V000	-	30	55	12.2	9.2	5.5
	A 40/15/45	#3953V000	-	40	70	15.5	11.7	7.0
	A 50/12/45	#3954V000	-	50	90	20.0	15.0	9.0
70 mm octagon	A 30/15/45	#3952V000	#5902V000	30	50	11.1	8.0	5.0
	A 40/15/45	#3953V000	#5902V000	40	60	13.3	10.0	6.0
	A 50/12/45	#3954V000	#5902V000	50	75	16.7	12.5	7.5

Roller shutter weights

PVC	approx. 3.5 – 5.0 kg/m²	(calculation basis 4.5 kg/m²)
Aluminium	approx. 5.0 – 7.0 kg/m²	(calculation basis 6.0 kg/m²)
Wood	approx. 10kg/m²	(calculation basis 10 kg/m²)

Tube motors for awnings

Roller	Operator	Article No.	Necessary accessories	Torque [Nm]	Number of hinged brackets	Spring force [N]	Torque requirements [Nm]
63 mm notch tube	A 20/15/45	3951V000	5908V000	20	2	500	18
	A 30/15/45	3952V000	5908V000	30	3	750	26
	A 40/15/45	3953V000	5908V000	40	4	1000	35
	A 50/12/45	3954V000	5908V000	50	5	1250	44
70 mm notch tube	A 20/15/45	3951V000	5906V000	20	2	500	20
	A 30/15/45	3952V000	5906V000	30	3	750	30
	A 40/15/45	3953V000	5906V000	40	4	1000	40
	A 50/12/45	3954V000	5906V000	50	5	1250	50
78 mm notch tube	A 30/15/45	3952V000	5903V000	30	2	500	23
	A 40/15/45	3953V000	5903V000	40	3	750	34
	A 50/12/45	3954V000	5903V000	50	4	1000	45
85 mm notch tube	A 40/15/45	3953V000	5909V000	40	3	750	36
	A 50/12/45	3954V000	5909V000	50	4	1000	48

Awning springs

Force/arm	approx. 20 – 30 kg	(calculation basis 25 kg/arm)
-----------	--------------------	-------------------------------

OVERVIEW



Tubular motor A 10/17/35

- Torque 10 Nm, speed 17 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3940V000



Tubular motor A 10/15/45

- Torque 10 Nm, speed 15 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3950V000



Tubular motor A 20/15/45

- Torque 20 Nm, speed 15 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3951V000



Tubular motor A 30/15/45

- Torque 30 Nm, speed 15 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3952V000



Tubular motor A 40/15/45

- Torque 40 Nm, speed 15 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3953V000



Tubular motor A 50/12/45

- Torque 50 Nm, speed 12 min⁻¹
- Cable length 1.9 m
- incl. standard accessories

3954V000

STANDARD ACCESSORIES

Included in the scope of delivery



Wall anchor (offset)

- For tubular motors A 10/17/35, A 10/15/45 to A 50/12/45
- Load-bearing capacity 48/60 mm



Adapter set Ø 37.5 mm

- Octagonal tube
- Suitable for tubular motor A 10/17/35



Adapter Ø 57 mm

- Octagonal tube
- Suitable for tubular motor A X/X/45



All blinds or awnings can be operated by radio control system on request.

ACCESSORY ADAPTER FOR ALL TUBULAR MOTORS A X/X/45



Adapter set Ø 50 mm

- Octagonal tube

5900V000



Adapter set Ø 46 mm

- Round tube

5907V000



Adapter set Ø 61 mm

- Round tube

5908V000



Adapter set Ø 66 mm

- Octagonal tube

5902V000



Adapter set Ø 66 mm

- Profile tube

5901V000



Adapter set Ø 66 mm

- Notch tube

5906V000



Adapter set Ø 75 mm

- Notch tube

5903V000



Adapter set Ø 82 mm

- Round tube

5909V000

WALL ANCHOR ACCESSORIES



Wall anchor/clamping

- Suitable for A 10/17/35, A 10/15/45 to A 50/12/45
- For renovations with existing plaster bearing

5904V000



Wall anchor

- Suitable for tubular motors A 10/17/35, A 10/15/45 to A 50/12/45
- For new constructions with newly built box

5905V000



Wall anchor clip

- Suitable for A 10/17/35, A 10/15/45 to A 50/12/45
- With spring cotter pin
- For front and construction elements

5933V000



Universal wall anchor

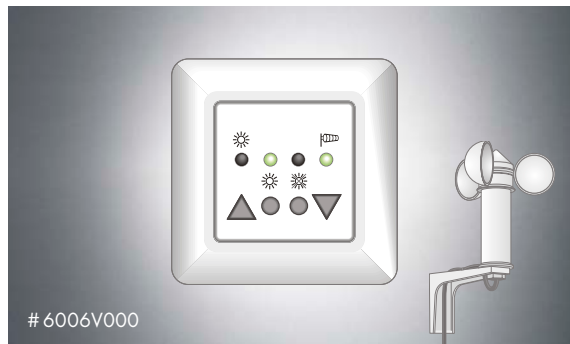
- Suitable for tubular motors A 10/17/35, A 10/15/45 to A 50/12/45
- For renovations and new constructions with newly built box
- Simplified installation thanks to flexible and time-saving shaft adjustment
- Can be unlatched

5935V000

EVEN MORE CONVENIENCE FOR YOUR ROLLER SHUTTERS AND BLINDS

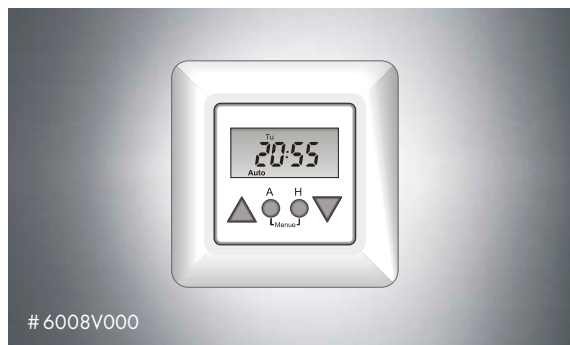
No matter whether the blinds automatically close when the sun is shining brightly or the roller shutters close on their own in the evening: Nearly anything can be automated thanks to the intelligent control technology.

With the integrated time controller and operation via radio transmitter or wall switch, roller blinds can be opened and closed easily and conveniently. This will save you tiring pulling and cranking of belts and levers.



ContRoll Sun – control for awning drives

- Including sun and wind sensor
- Status indication with dual-colour LEDs
- Manual or automatic mode can be set (wind automation is always active)
- Limit values can be individually set for wind and sun
- Colour: Signal white (similar to RAL 9016)
- Including cover frame for individual assembly



ContRoll Astro – control for roller shutter operators

Roller shutters and time clock with Astro program

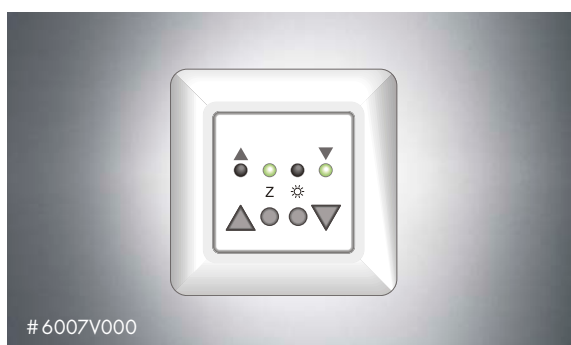
- Manual or automatic mode can be set
- Date and time set at the factory
- Weekly function and opening/closing time can be programmed individually for every day of the week
- Astro function and opening/closing corresponding to the current sunrise and sunset times
- Random function can be activated for presence simulation
- Saving of data in the event of power failures
- Automatic summer-/wintertime changeover
- Sun function, connection option for light sensor (#6010V000)
- Colour: Signal white (similar to RAL 9016)
- Including cover frame for individual assembly



ContRoll Touch – control for roller shutter operators

Roller shutter time clock with all the benefits of "ContRoll Astro" as well as:

- Blue illuminated touch screen display
- Central input for controlling via superior control device
- Dimming function in connection with light sensor (#6010V000)
- Colour: Signal white (similar to RAL 9016)
- Including cover frame for individual assembly



ContRoll Shutter – control for roller shutter operators

Motor control board for a roller shutter operator

- Offers extended functions and combination options in contrast to roller shutter switches/buttons
- Manual or automatic mode can be set (via central control)
- 3-wire central input
- Separate connection for central command forwarding
- Sun function and connection option for light sensor (#6010V000)
- Colour: Signal white (similar to RAL 9016)
- Including cover frame for individual assembly

13



Light sensor

- Suitable for ContRoll Astro/Touch/Shutter controls
- For fixing on the inside of a window
- Including 2 m cable (other cable lengths on request)
- Colour: White



Isolating relay
<ul style="list-style-type: none">• For parallel connection of 2 tubular motors in a joint control or a locked blind button• Connections for locked blind buttons for single operation of connected motors• Installation, for example, in a 55 size socket with deep terminal space
6005V000



Blind switch (surface mounting)
<ul style="list-style-type: none">• Latching; white housing• AC 230 V• Connection for 1 tubular motor A 10/17/35, A 10/15/45 to A 50/12/45
5972



Blind switch (flush mounting)
<ul style="list-style-type: none">• Latching; white housing• AC 230 V• Connection for 1 tubular motor A 10/17/35, A 10/15/45 to A 50/12/45
5973



Classic 4-command transmitter
<ul style="list-style-type: none">• Range approx. 50 m (depending on the surroundings)• Battery: 3 V, type CR 2032• Slide-open housing with stainless steel design• Dimensions: 87 × 24 × 16 mm (slid together)• Button protector prevents accidental operation
4020V000



3-command wireless indoor switch (surface)
<ul style="list-style-type: none">• Via radio code transmission, an action can be triggered from a location where there is no power connection; no additional installation is necessary• Range approx. 25 m (depending on the surrounding conditions)• Dimensions: 80 × 85 × 15 mm• Battery: 3 V, type CR 2032
4762V000 (white) # 4762V000 (black)



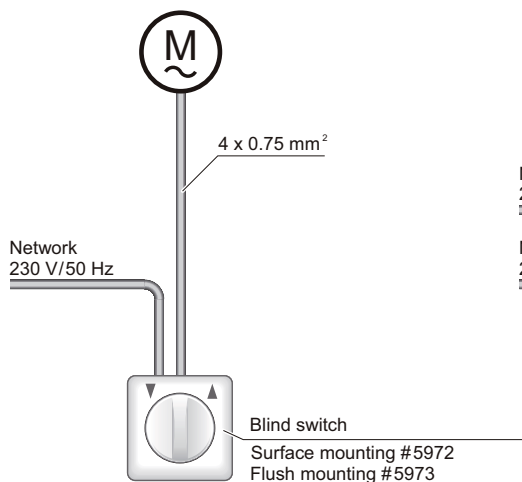
Radio manager S
<ul style="list-style-type: none">• Programmable via radio control system for controlling roller shutters, blinds and awnings• For flush mounting (deep standard socket)• Not compatible with Telecody, ENTRAsys and ENTRApin• Coding: Somloq Rollingcode• Rated voltage: AC 230 V ± 10 %• Rated frequency: 50/60 Hz• Relay output: 4 A, 50/60 Hz• Dimensions: 48 × 51 × 26.5 mm• Operation – targeted OPEN and CLOSE
5980V000



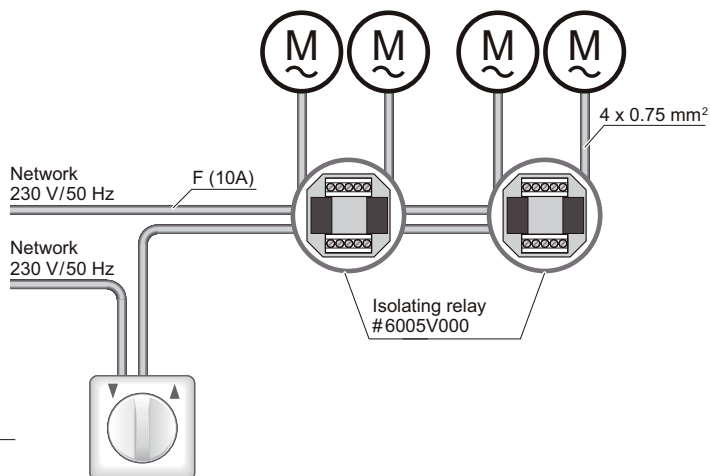
Radio manager S in set
<ul style="list-style-type: none">• Like # 5980V000• Also including Classic 4-command transmitter (# 4020V000)
5990V000

CONTROL EXAMPLES

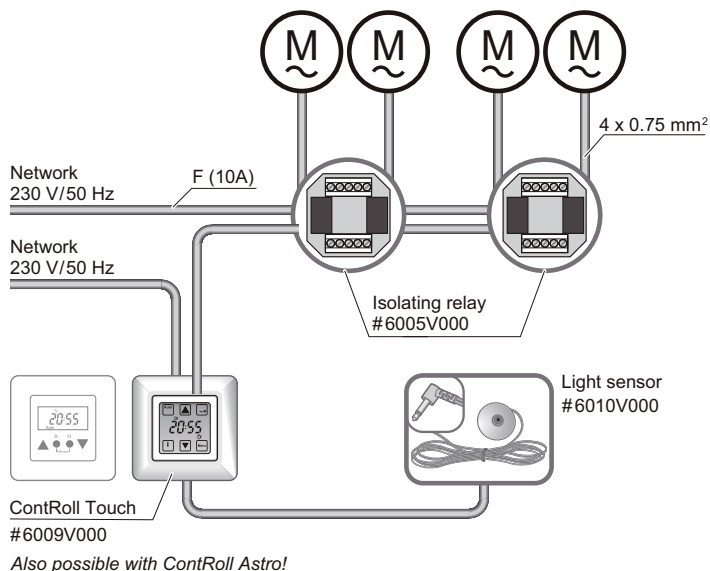
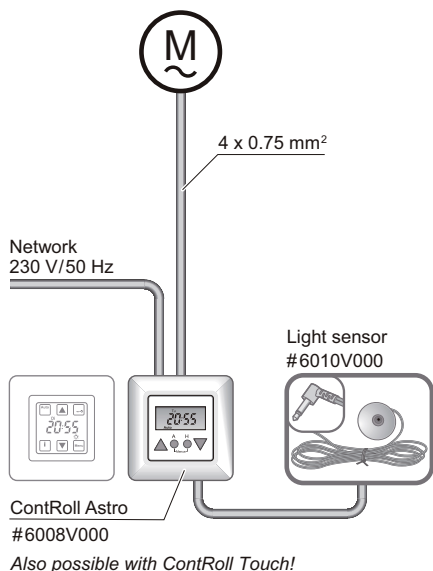
Example 1: Single operator control



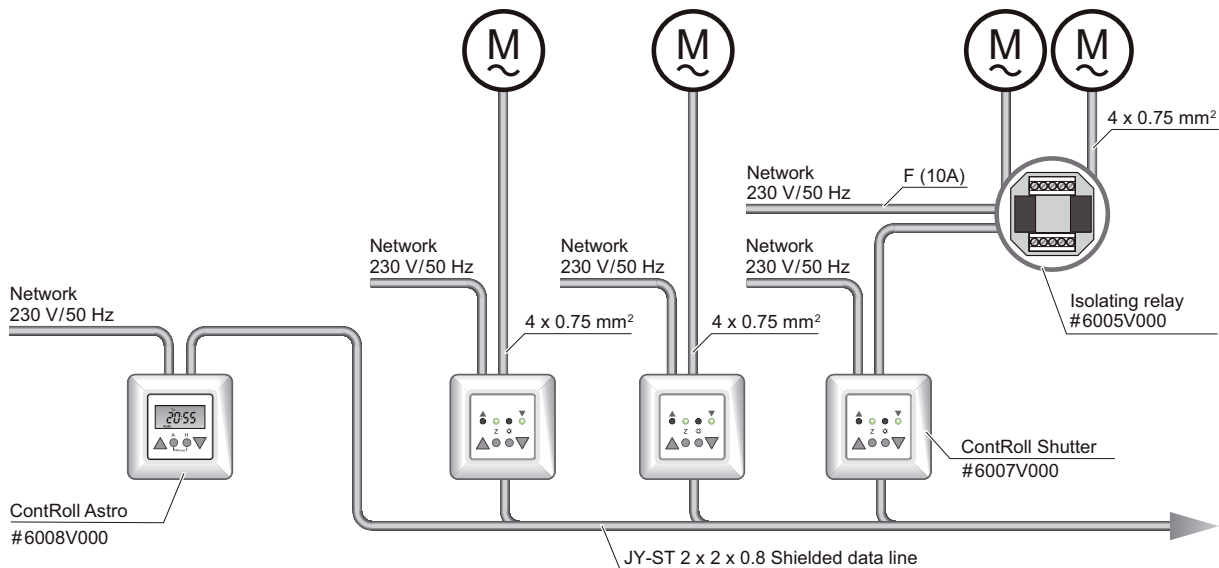
Example 2: 2 (or more) operators via a joint switch



Example 3: Single operator time/light control **Example 4: 2 (or more) operators via joint time clock**



Example 5: Group/single control with time clock



IT'S IN YOUR HANDS

IT'S AMAZING WHAT CAN BE OPERATED BY RADIO TECHNOLOGY
AND HOW MUCH CONVENIENCE YOU'LL GAIN

Our radio solutions allow you to have individual freedom over your own home automation systems; in the garden or in the garage.

At SOMMER, security and convenience go hand in hand. Only when you have that peace of mind can you fully reap the benefits of our limitless radio options.

EASY CONVERSION AND RETRO-FITTING WITH RADIO RECEIVERS

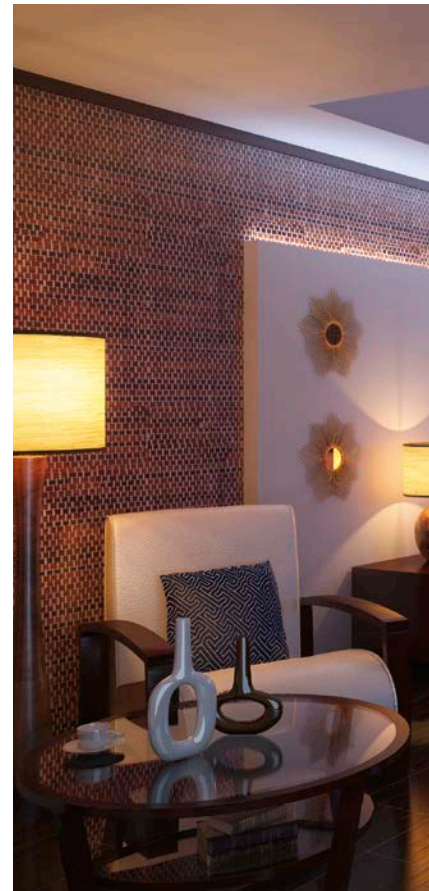
16

Radio receiver

The radio receiver in the power socket housing is well-suited for the easy conversion and retro-fitting of gate operators in the Somloq Rollingcode radio system.



#7021V000



Radio power socket

The radio power socket with the built-in radio receiver makes it possible to operate different applications and devices such as lamps or fountains.



#7017V000



Transmitters

Whether a transmitter or Telecody, at SOMMER you'll find the right product, for a few to many applications and application areas, private or commercial.



4035V002
Ruby

4019V000
Pearl Vibe

4071V000
Telecody

Access systems

With the biometric recognition feature of SOMMER fingerprint systems, you can open garage doors and yard gates with one gentle finger motion. The radio code switches allow you to open your garage doors and yard gates with an individually programmable digit code.



Slide-open housing

4090V000
ENTRApin



Slide-open housing

5052V000
ENTRAsys GD



For universal application
or in house doors

5058V000
5059V000
ENTRAsys FD

17

Radio wall switches

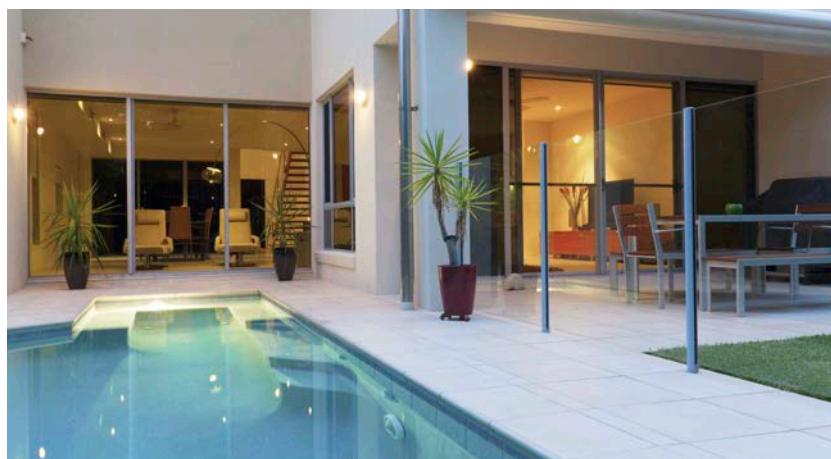
Your home automation applications, such as operators, blinds, roller shutters or awnings, can be operated conveniently at the push of a button using the indoor radio switches.



4762V001



4762V000



SECURITY ASSURED WITH THE PERFECT SOLUTION



18

GARAGE DOOR OPERATORS

UNDERGROUND PARKING
GARAGE DOOR OPERATORS

SWING AND SLIDING GATE
OPERATORS

RADIO TECHNOLOGY

HOME AUTOMATION

ACCESS CONTROL SYSTEMS





19

ROLLER SHUTTER OPERATORS
AWNING DRIVES
ROLLER DOOR CONTROL UNITS
INDUSTRIAL DOOR OPERATORS
PARKING AND BLOCKING SYSTEMS
ACCESSORIES



DEEN #65028V001 - 10/15 Subject to misprints, errors and technical changes.



SOMMER ANTRIEBS- UND FUNKTECHNIK GMBH
HANS-BÖCKLER-STR. 21 - 27 | D-73230 KIRCHHEIM/TECK
PHONE +49 (0)70 21/80 01-0 | FAX +49 (0)70 21/80 01-100
INFO@SOMMER.EU | WWW.SOMMER.EU



SOMMERGMBH



SOMMER_GMBH