Solex Egypt

Tel. : (+2) 0554334666
Mobile : (+2) 01208991111
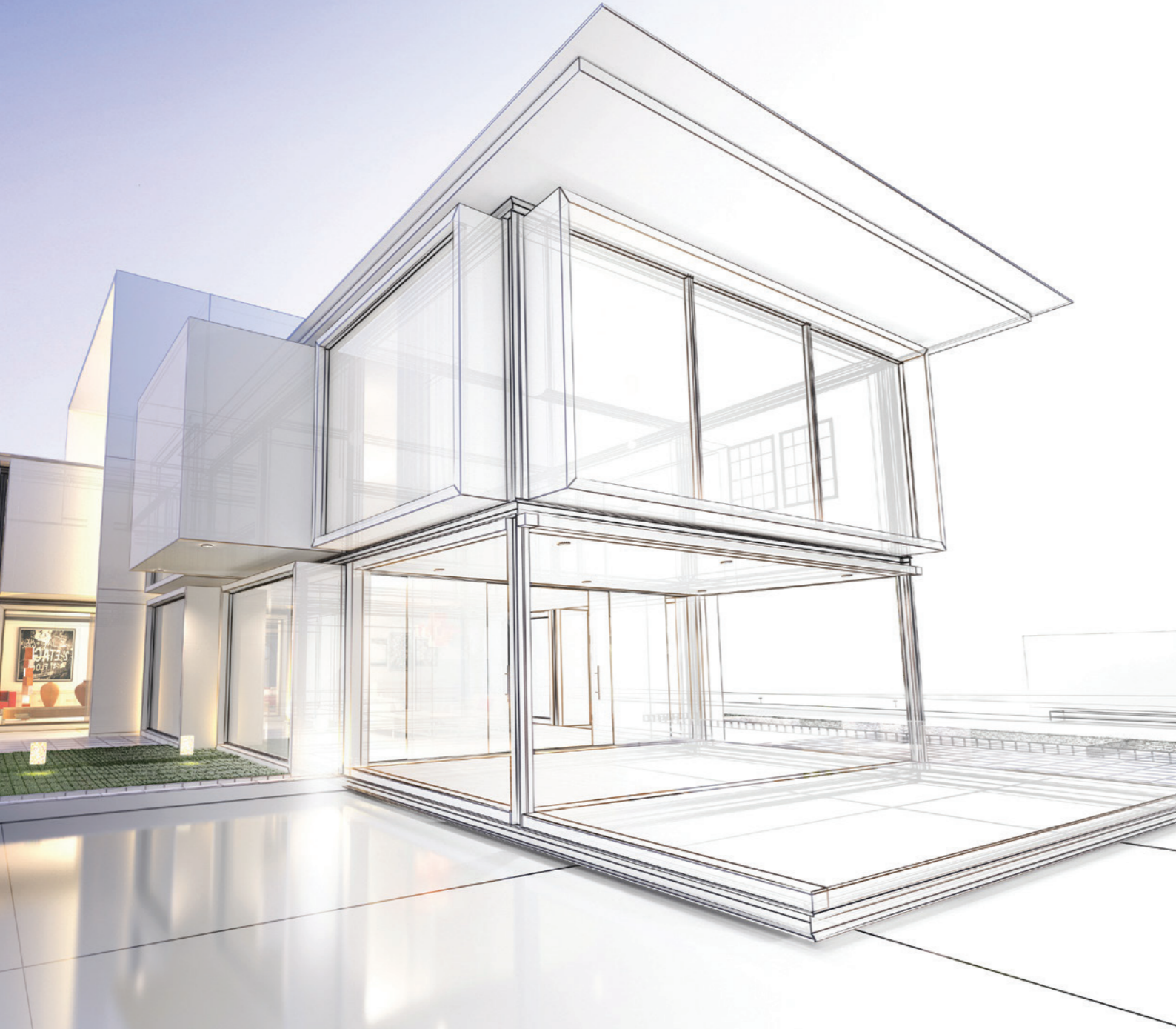E-mail : Info@solexegypt.com
Address : Plot No. 2 Zezenya Industrial Park, Ismailia Desert Road
www.solexegypt.com

Solex

سوليكس
E G Y P T

ابتكر حياتك innovate life

Introduction

مقّدمة

SOLEX has been the market leader in the rolling shutter industry within Saudi Arabia for the past 35 years. SOLEX operates all over Egypt through it's new branch which is equipped with all necessary resourses in Design, Manufacturing, installation and After-sales services to fulfill the market needs It also operates all over the Saudi Arabian market through its 3 plants, showrooms & offices spanning the Western, Central & Eastern regions. SOLEX fulfills customers' needs by offering the widest range of solutions for the fabrication of window shutters.

سوليكس هي الشركة الرائدة في صناعة الشتر في المملكة العربية السعودية على مدي السنوات ال ٣٥ الماضية تنتشر الشركة حالياً على مستوى السوق المصري من خلال فرعها الجديد والذي يتمتع بالموارد المتخصصة المطلوبة لتلبية متطلبات السوق من تصميم وتصنيع و تركيب و خدمات ما بعد البيع، كما تنتشر شركة سولكس على مستوى السوق السعودي من خلال ٣ مصانع و معارض و مكاتب في المنطقة الغربية و الوسطى و الشرقية. تلبي الشركة احتياجات العملاء من خلال تقديمها مجموعة واسعة من انظمة الشتر والألمنيوم الملائمة لقطاع البناء.
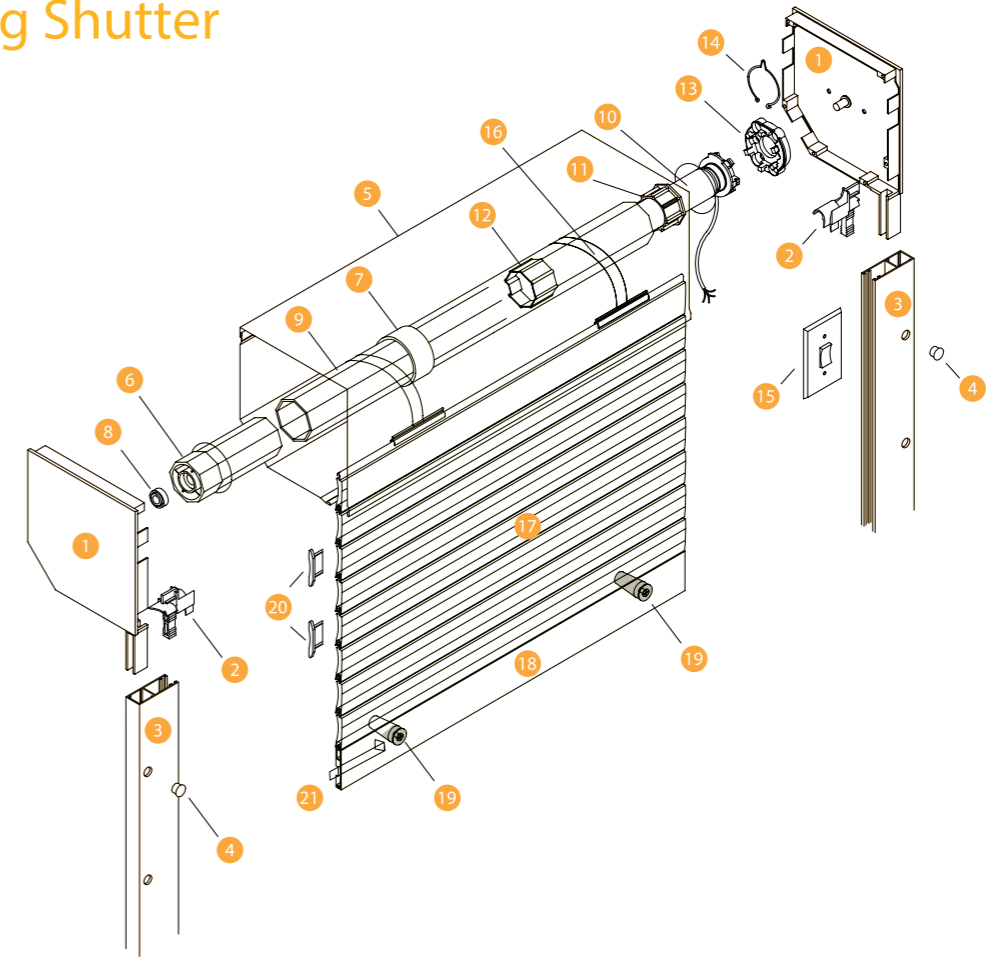
Shutter Systems
أنظمة الشتر

Shutter Systems offer many benefits over traditional closure options. Shutters can be made to fit almost any opening. Our strategic partnerships have many years of experience, specializing in the design and development of rolling shutter components. We continually strive to offer professional service and as superior product.

تقدم أنظمة الشتر فوائد عديدة تتخطى الستائر التقليدية وتتناسب مع كل أنواع الفتحات، يتمتع شركاؤنا الإستراتيجيون بسنوات من الخبرة المتخصصة في تصميم وتطوير مكونات الشتر، كما نسعى جاهدين لتقديم الخدمات المهنية والمنتجات المميزة.

Components of an Aluminium Rolling Shutter

1	Side/End Cap	8	Ball Bearing	15	Switch
2	Entry Guide	9	Tube - Octagonal	16	Security Spring
3	Guide Channel	10	Tubular Motor	17	Shutter Curtain
4	Plug Button	11	Crown	18	Terminal Profile
5	Box	12	Wheel	19	Plastic Stopper
6	Plastic Cap	13	Motor Bracket	20	Side Lock
7	Crown Adapter	14	Spring Ring	21	Security Lock

Shutter Benefits

فوائد الشتر

Security
الأمان

Protection from Dust
الحماية من الغبار

Protection from Sun
الحماية من الشمس

Privacy
الخصوصية

Energy Saving
حفظ الطاقة

Light Control
التحكم بالإضاءة

Protection from Insects
الحماية من الحشرات

Noise Reduction
تخفيف الضوضاء

Slat Types

أنـواع الشرائح

Extruded Aluminium Slats
شرائح الألمنيوم المسحوبة

Provide high security solutions for residential homes. Available in large sizes and many colours

تؤمن حلول حماية قصوى للمنازل. متوفرة بمقاسات كبيرة و ألوان متعددة

Insulated Aluminium Slats
شرائح الألمنيوم المعزولة

Made of lightweight materials, these slats provide insulation benefit against noise and heat.

مصنوعة من مواد خفيفة الوزن، تتميز هذه الشرائح بقدرة عزل الضوضاء و الحرارة.

⑦ Simple Steps When Choosing an Aluminium Rolling Shutter

1 Select Slat Type and Size
Based on dimensions of the opening and purpose of use
إختيار نوع وحجم الشريحة
بناء على مقاسات الفتحة والغاية من الاستخدام

2 Select Operating System: Motorized or Manual
Based on dimensions as well as customer convenience
إختيار نظام التشغيل: أوتوماتيكياً أو يدوياً
بناء على مقاسات الفتحة ورغبة العميل

3 Select The Optimal Installation Method
Based on building, construction and design
إختيار نظام التركيب الأمثل
بناء على المخطط الإنشائي والتصميم

4 Select Types Of Boxes, Guide Channels & Terminal Slats
Based on slat type, size, and the opening dimensions
إختيار أنواع الصناديق و القنوات الجانبية والشفرة النهائية
بناء على نوع الشفرة وحجمها ومقاسات الفتحة

5 Select Tube Type And Size
Based on opening dimensions and shutter weight
إختيار نوع الماسورة وحجمها
بناء على مقاسات الفتحة و وزن الشتر

6 Select Locking System
Based on the security and protection requirements
إختيار نظام الأقفال
بناء على متطلبات الأمن والحماية

7 Select Colors
Based on the building external finishing and individual choice.
إختيار الألوان
بناء على التشطيب الخارجي للمبنى والإختيار الشخصي

Select Slat Type and Size
Based on Dimensions of The Opening and Purpose of Use

ALURAY
Premium Aluminium Slats

"ALURAY" series of insulated and extruded slats have been the product of choice for the Saudi and GCC market

شرائح **"الو راي"** المعزولة و المسحوبة هي الخيار الأول في الأسواق السعودية و الخليجية

Coating Characteristics:

- Abrasion and scratch resistant
- Stretch and crack resistant
- UV resistant
- Corrosion resistant

خصائص الطلاء:

- مقاوم للخدوش عند الإحتكاك
- مقاوم للتمدد والتشقق
- مقاوم للأشعة فوق البنفسجية
- مقاومة عالية للصدأ

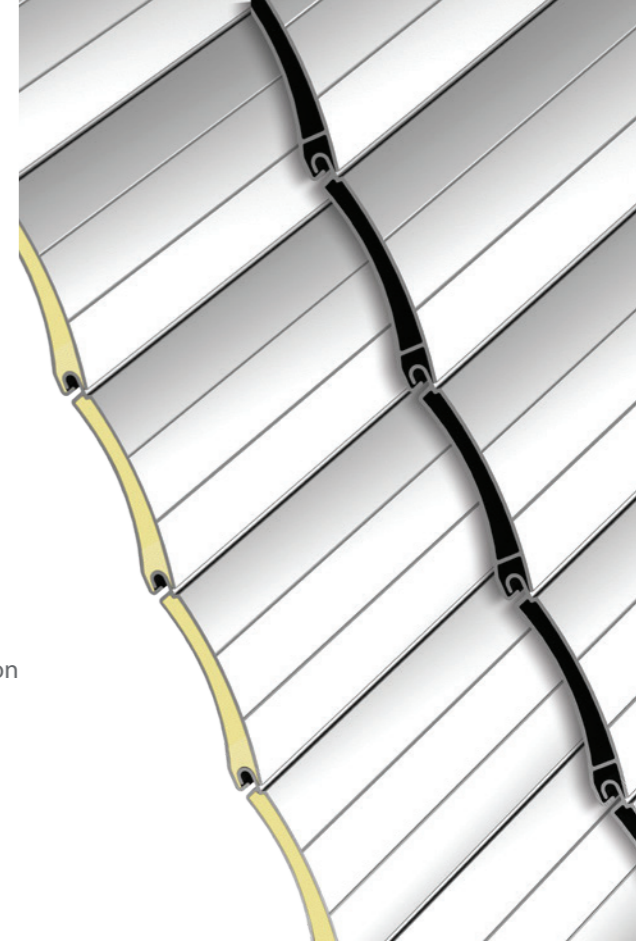### Type Of Aluminium Slats:

Extruded Slat
الشفرة المسحوبة

- High Security
  حماية عالية
- Suitable for Large Openings
  مناسبة للمقاسات الكبيرة
- Available in Variety of Colors
  متوفرة بألوان متعددة

أنواع شفرات الألمنيوم:

Insulated Slat
الشفرة المعزولة

- Improve thermal Insulation
  تحسن العزل الحراري
- Light Weight
  خفيفة الوزن
- Noise Reduction
  تخفف الضوضاء

Types and Sizes of Slats

Insulated Aluminium Slats

SLI-41	SLI-55	SLI-77

SLI-41

Aluminium Thickness	0.29 mm
Width	9.0 mm
Weight per m²	4.5 kg
Blind Surface	41.0 mm
Manufacturing Length	5.8 m
Maximum Usable Size	3.5 x 3.0 m

SLI-55

Aluminium Thickness	0.37 mm
Width	14.0 mm
Weight per m²	5.5 kg
Blind Surface	55.0 mm
Manufacturing Length	5.8 m
Maximum Usable Size	4.0 x 4.0 m

SLI-77

Aluminium Thickness	0.39 mm
Width	18.2 mm
Weight per m²	7.5 kg
Blind Surface	77.0 mm
Manufacturing Length	7.0 m
Maximum Usable Size	4.0 x 3.5 m

Insulation: Polyurethane foam to meet Gulf region Standards

Extruded Aluminium Slats

SLE-35	SLE-40	SLE-60
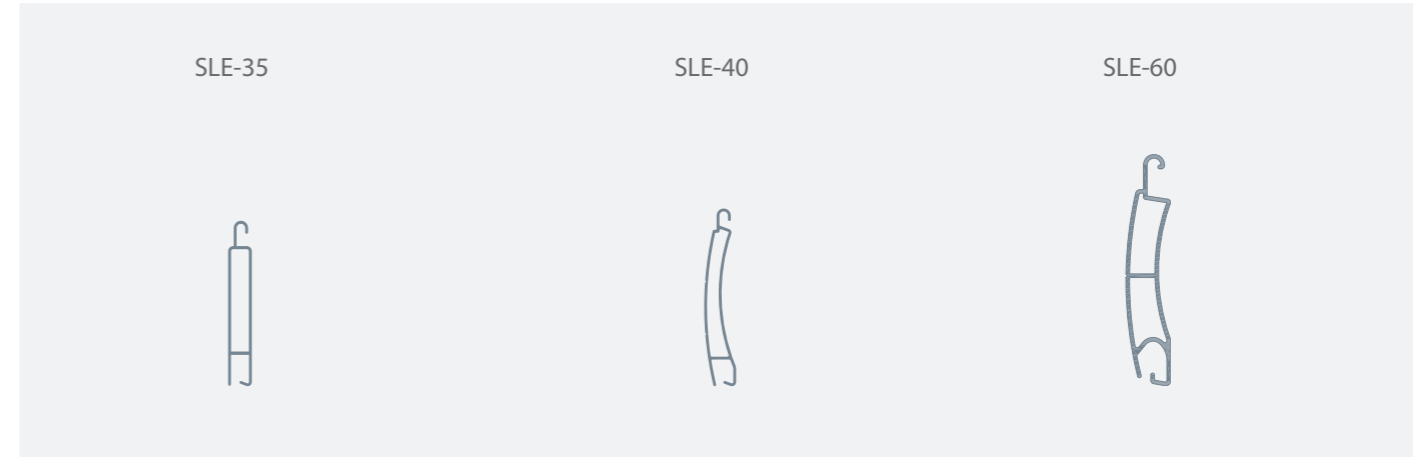
SLE-35

Aluminium Thickness	1.1 mm
Width	7.8 mm
Blind Surface	35.0 mm
Weight per m²	9.5 kg
Manufacturing Length	5.8 m
Maximum Usable Size	4.8 x 4.0 m

SLE-40

Aluminium Thickness	1.0 mm
Width	9.3 mm
Blind Surface	40.0 mm
Weight per m²	9.0 kg
Manufacturing Length	5.8 m
Maximum Usable Size	4.0 x 4.0 m

SLE-60

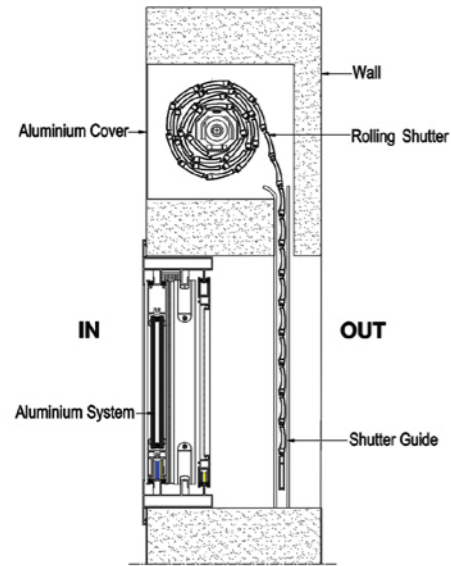|	
Aluminium Thickness	1.3 mm
Width	14.0 mm
Blind Surface	60.0 mm
Weight per m²	11.0 kg
Manufacturing Length	6.0 m
Maximum Usable Size	5.8 x 4.5 m

SolaRay
SHUTTERS

SOLEX offers SOLA RAY systems to operate solar powered shutters produced by Somfy. SOLA RAY offers several benefits i.e. ease of installation without power supply or electric wiring.

توفر سوليكس نظام **سولاراي** لتشغيل الشتر الذي يعمل بالطاقة الشمسة من شركة سومفي، بحيث يتمتع بمزايا عديدة منها سهولة التركيب بدون تمديدات كهربائية.
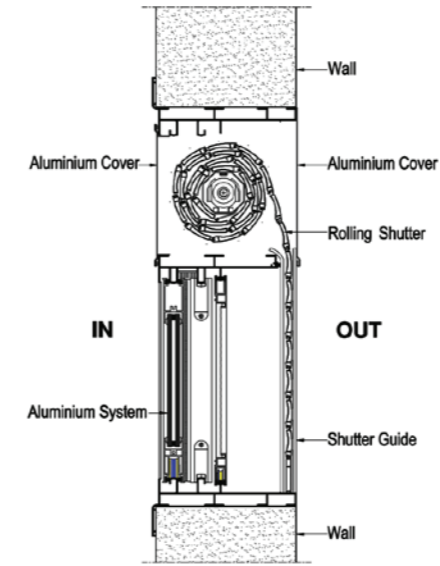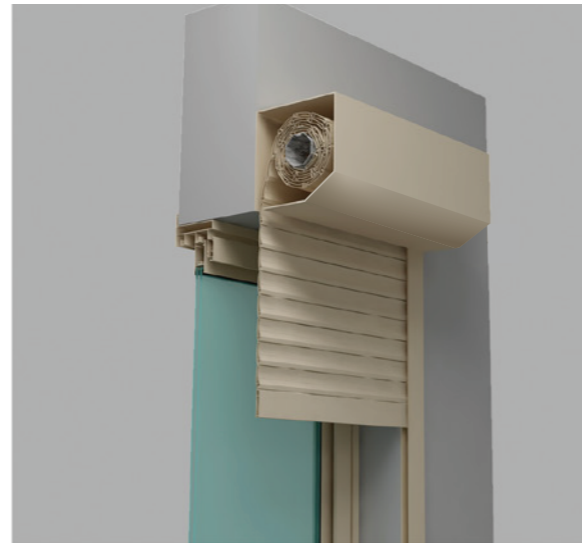

Motor

Battery

Box

Octagonal Tube

Solar Panel

Insulated Slat
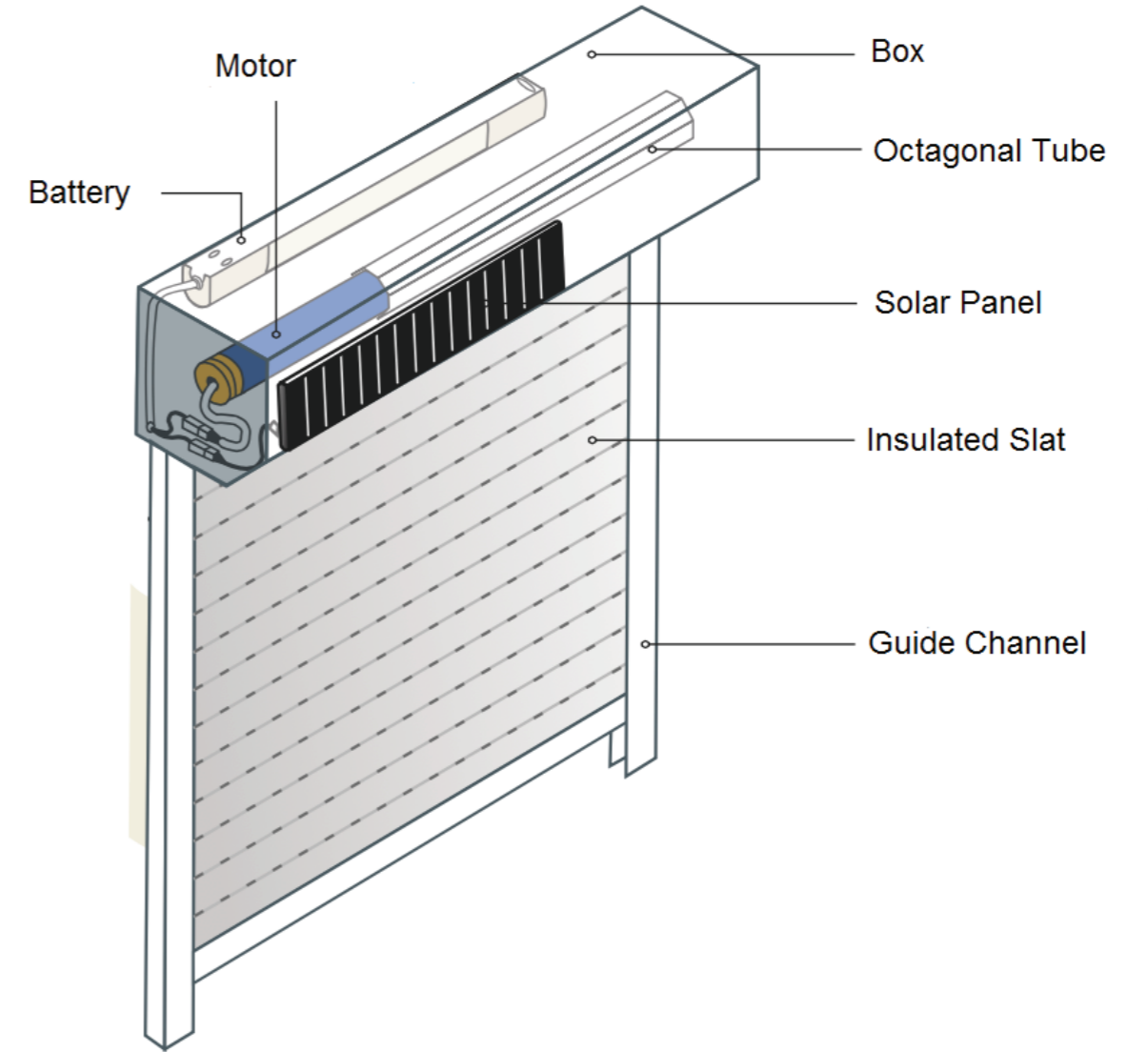
Guide Channel

Installation Options

Built In Wall

Monobloc

Aluminium Cover — Wall — Rolling Shutter — Aluminium System — Shutter Guide — IN — OUT
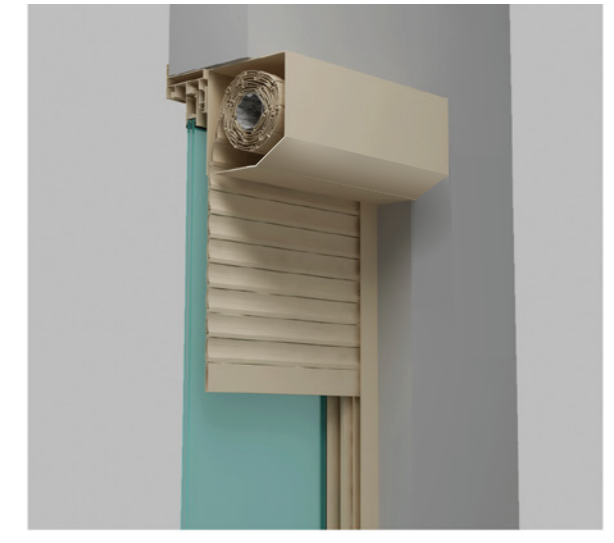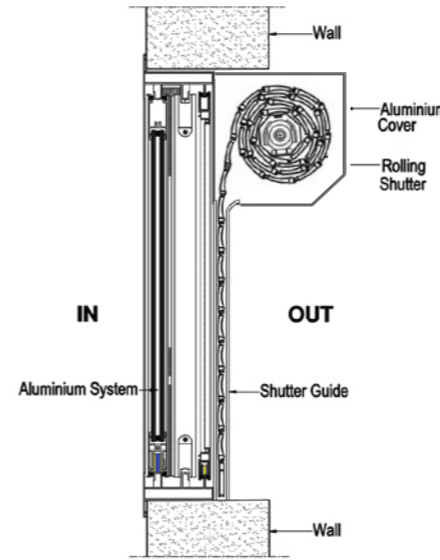
Flush To Wall
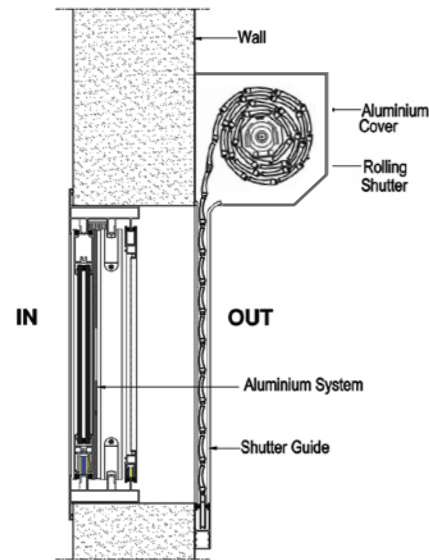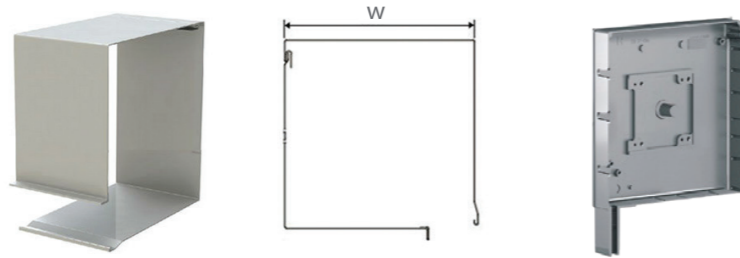

Flush To Aluminium

13   14

Boxes

Select Types Of Boxes, Guide Channels & Terminal Slats
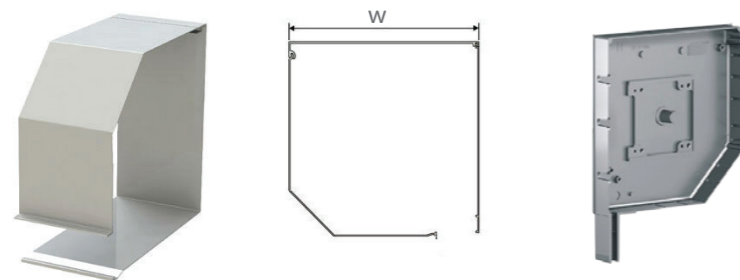Based on Slat Type, Size and the Opening Dimensions

Type Of Boxes and Side Frames

90 Degrees

Width	
150 mm	205 mm
165 mm	250 mm
180 mm	

45 Degrees

Width	
165 mm	250 mm
180 mm	300 mm
205 mm	

Guide Channels

GC-53	GC-66	GC-95	GC-950

53mm
22mm
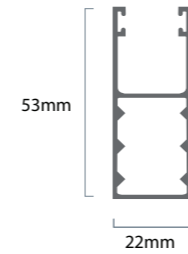
Compatible with Slats
(ES/IS 35,40,41 & 43 mm)
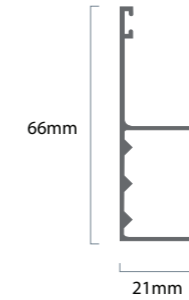
66mm
21mm

Compatible with Slats
(ES/IS 55 & 60 mm)

95mm
27mm

Compatible with Slats
(ES/IS 55 & 60 mm)

95mm
35mm
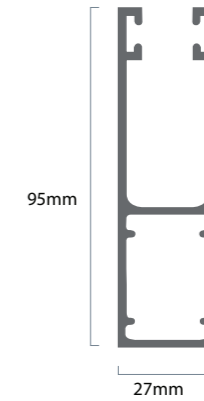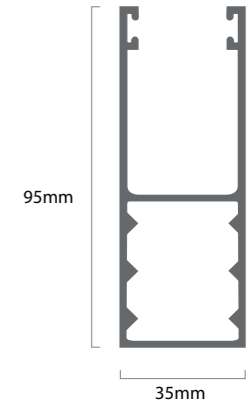
Compatible with Slats
(ES/IS 77 & 103 mm)

Terminal Slats

TS	TSL

Without Lock

Aluminium Thickness	1.0 mm
Height	50.0 mm
Compatible With	ES/IS 35 & 40

With Lock

Aluminium Thickness	1.0 mm
Height	53.0 mm
Compatible With	ES/IS 35 & 40

Tubes

Select Tube Type And Size
Based on Opening Dimensions and Shutter Weight

Thickness

Ø
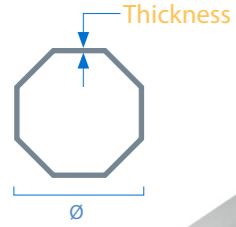
Octagonal Tubes

Tube Ø	40 mm	60 mm	70 mm
Available Thickness	0.40 mm	0.60 mm	1.2 mm
	0.60 mm	0.80 mm	1.5 mm

Tube Selection Chart

Shutter Curtain weight (kg)

Round 89x1.6
Round 102x1.6
Round 102x3.2
Octa 70x1.5
Octa 70x1.2
Octa 70x1.0
Octa 60x0.9
Octa 60x0.8
Octa 40x0.8
Octa 40x0.6
Octa 60x0.6

Open Width (Meter)
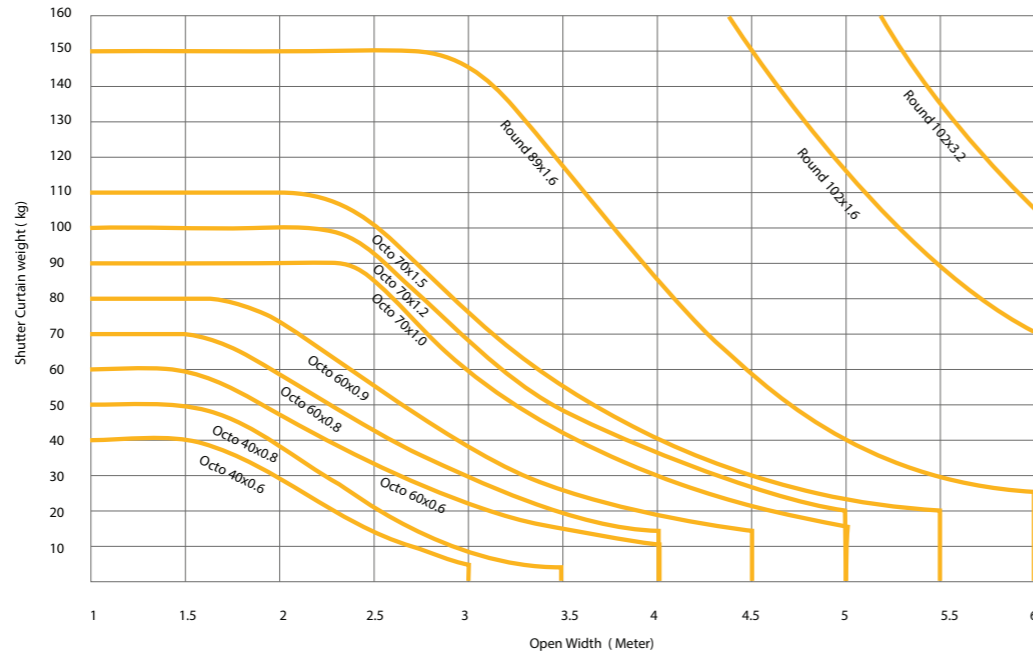
Locking

Select Locking System
Based on the Security and Protection Requirements

Taking into account requirements for security and functionality, we offer several options of locking systems.
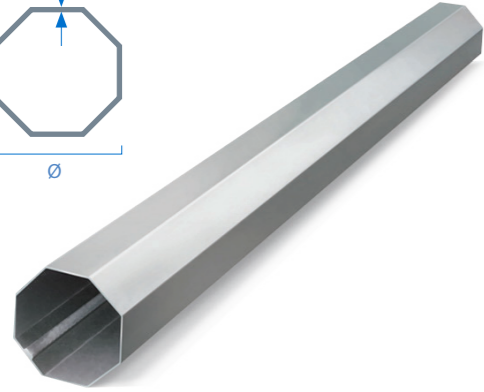
آخذين بعين الاعتبار متطلبات الأمان، نقدم مجموعة من أنظمة الإقفال

Hand Lock

The roller shutters can be locked from the inside using the sliding lock.

الأقفال اليدوية

يمكن إقفال الشتر من الداخل بواسطة قفل منزلق.

Security Spring

The security spring system (Blocksur) forces down the shutter for increased safety and protection.

لاقط الأمان

نظام يعزز مستوى الأمن والسلامة عن طريق الضغط العكسي على الشتر

Key Switch

To operate the commercial gates using an automatic key switch.

مفتاح التحكم الآلي

التحكم بالبوابات التجارية بواسطة مفتاح التحكم الآلي.

Colors

Select Colors
Based on the Building External Finishing and Individual Choice.

Standard Colors	الألوان الأساسية

RAL 9016

RAL 1013

RAL 8014
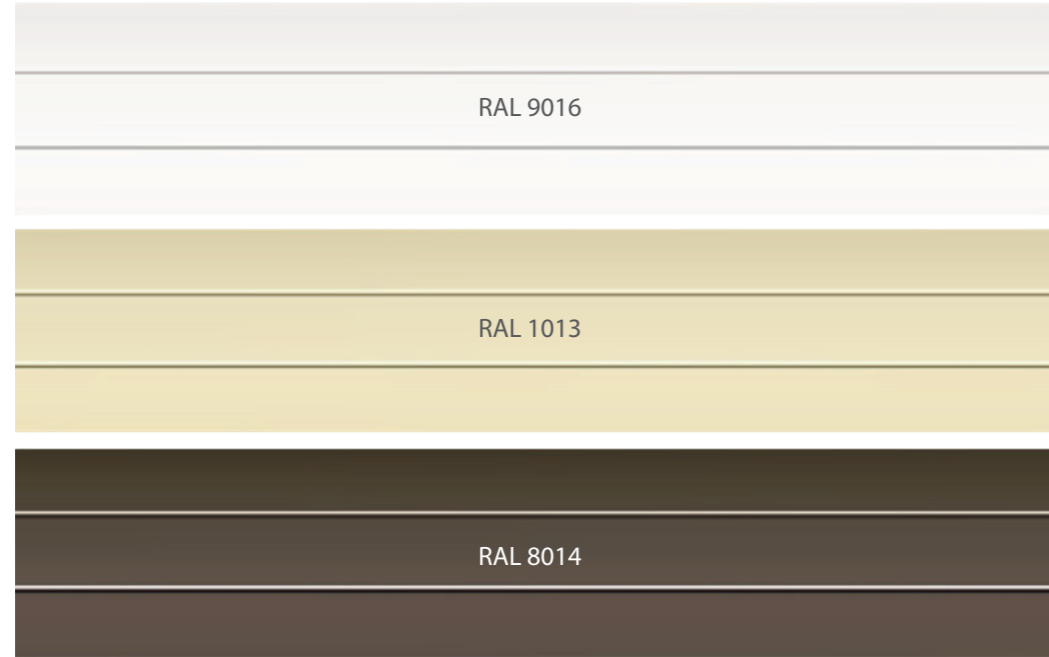
- Insulated slats are available in standard colours
- Extruded slats are available in a variety of colours (Over 100 different RAL Colours) in additional to standard colours

- الشريحة المعزولة متوفرة بالألـوان الأساسية
- الشريحة المسحوبة متوفرة بألوان متعددة (أكثر من100 لون رال) بالإضافة للألوان الأساسية

Manual Operators

Gear Records

Plastic Gear

Zamak Gear
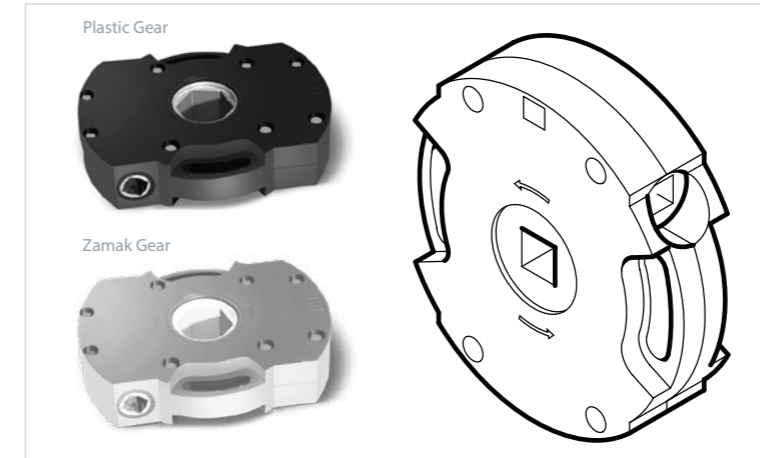
Handle Joint

Stopper

Handle Lock

Cranks and Handles

Motorized

Select Operating System: Motorized or Manual
Based on dimensions as well as customer convenience

Motorized Operators
Tubular Motor Components

Brake
Electromagnetic disk brake results in a smooth and accurate stop without any slippage. Features full braking power in the event of a power failure.

Asynchronous Motor
Maintenance free and permanently lubricated. Features overheating protection, sturdy electrical and mechanical design with a long lifetime.

Easy Limit Switch Adjustments
Maintenance-Free.
Maximum tolerance of (+/- 5o) on the roller tube during lifetime of the motor.

Gears
Three stage planetary gear mechanism. Extremely quiet and reliable because of precision production.

Dual Motor Operator

Dual operation shutters that combine motor with manual override function allows the versatility of operation even in absence of power.

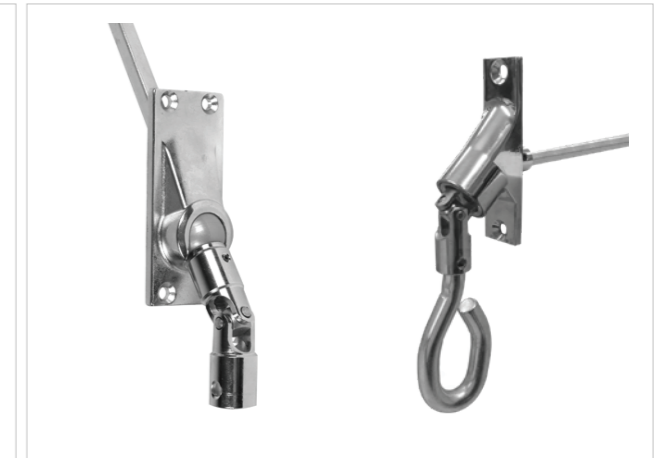Tubular Motor Characteristics (220V/60 Hz - 230V/50Hz)

Motor Type	Torque	Speed
Wireless Motor	6 NM - 38 NM	14 rpm - 20 rpm
Wired Motor	8 NM - 120 NM	14 rpm
Motor + Manual	8 NM - 120 NM	14 rpm - 20 rpm
Heavy Motor	250 NM	8 rpm

Remote Control Options

Our automation solutions give you control to operate your motorized rolling shutters and other devices with wireless and customizable remote controls as well as from your favorite smart device from any location.

حلول الأتمتة تعطي إمكانية التحكم بالشتر وغيره من الأجهزة عن طريق أنظمة التحكم اللاسلكية أو الأجهزة الذكية المحمولة من أي مكان.

The "MONOBLOC"

SOLEX presents its aluminum aesthetic system that combines high performance windows with rolling shutters and mosquito nets to provide complete protection for your family and furniture.

The MONOBLOC has two profiles SL 18 & SL 24. It gives clients the ability to choose the right profile that fits their needs and budget.

SL 18 :

Thickness : 2 mm
Frame width : 210 mm
Glass Size : Up to 18 mm
Configuration : 2,3 or 4 panels
Maximum W x H : 4000 x2600 mm
Minimum W x H : 1000 x 1000 mm

SL 24 :

Profile thickness : 1.8 mm
Frame width : 209 mm
Glass size : Up to 24 mm glass
Configuration : 2,3 or 4 panels
Maximum W x H : 4000 x 2600 mm
Minimum W x H : 1000 x 1000 mm

Automation Systems
أنظمة الأتمتة

Our automation solutions give you control to operate your motorized rolling shutters, blinds, awnings, lighting and other devices with wireless and customizable remote controls as well as from your favorite smart device from any location.

حلول الأتمتة تعطي إمكانية التحكم بالشتر والستائر الداخلية و المظلات و الإضاءة وغيرها من الأجهزة عن طريق أنظمة التحكم اللاسلكية أو الأجهزة الذكية المحمولة من أي مكان.
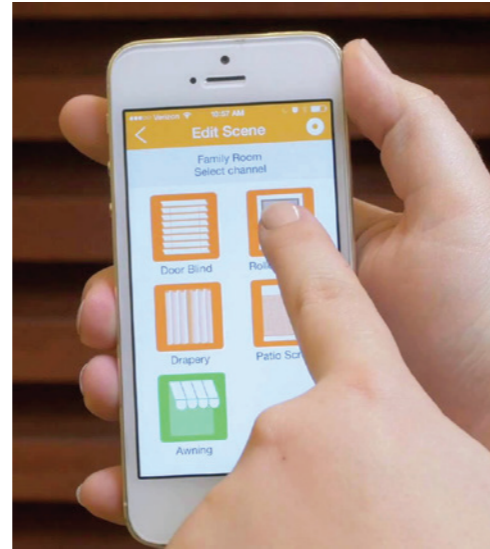
Automation Systems

TaHoma®

Remote control and management of the home

A fully connected house

Opening
- Multi equipment: over 100 devices by Somfy are compatible with TaHoma.
- Multi-brand: connected home devices and appliances from the major brands are compatible with TaHoma

Intuitivite
- Customised interface
- 3 intuitive menus:
  - Scenario, to create connected life moments...
  - Agenda, to live in line with your desires
  - Smart, to define advanced programming (sensors, detectors, clock, etc.)

Simplicity
- Simple to install: each device added without reconfiguring the system
- Easy-to-use

Activation mode – Sensitive button on the box

Fix&GO

Technical characteristics

Protocols / Frequency	io feedback signal (868 Mhz) / RTS (433 Mhz)	Colour	White
Dimensions (lxPxh)	110 x 71,25 x 28,13 mm	Other	LED (red/white) / "Reset" button
Weight	≈ 235 gr	In the box	1x USB cable/ 1x RJ 1 45 m cable
Power	5Vdc/ 2A		2x Installation Guide / 1x Disclaimer
Consumption	0,1 A (nominal)		
Connectors	1x Ethernet RJ 1 / 45x Micro-USB / 1x USB port		
Operating temperature	°0+C to °50+C / IP 20		

TaHoma partners

HEATING	LIGHTING

atlantic • hue PHILIPS
HITACHI Inspire the Next
De Dietrich
Honeywell
Danfoss
CIAT

VENTILATION	DOOR

Dimplex • G·U KFV

WINDOW	ALARM

VELUX • verisure SMART ALARMS
HOPPE

AVI	VOICE CONTROL

SONOS • amazon alexa
IFTTT

ENERGY MANAGEMENT

ACCESS, ALARM & SECURITY

OUTDOOR

LIGHTING

OPENINGS

The TaHoma® application is available for Android and iOS.

Compatible protocols

enocean Green. Smart. Wireless. • io homecontrol • RTS Radio Technology Somfy • Zwave • RTD

Functional Specifications

MAX. EQUIPMENT (ALL THE PROTOCOLS): 200*			
Equipment	Max	Equipment	Max
io equipement	200	OVP equipement	200
RTS equipement	50	Caméras equipement	5
RTD equipement	50	Zwave equipement	232
RTDS equipement	50	Activation mode equipment	20
Ramses equipement	3 Evotouch	HUE Bridge	50) 1 lamps)
EnOcean equipement	128		

*More equipments it's possible but not guaranteed.
**Only for TaHoma Premium o ffer.

Functions	Max
Scenario	40
Day	40
SMART	20

Other	Max
Condition in a SMART	6**
E-mail alert	3**
SMS alert	3**
Push alert	unlimited

Connexoon Access

Remote control and management of equipment

Connected Access from the first device

Easy to install
No need for an Internet connection on site to install the box and pair the equipment. Connexoon Access installs simply in Plug & Play mode Ideal for renovation projects.

Easy to Use
Intuitive, smart, fun... in short on trend! Connexoon Access was designed to make life easier and more pleasant in 1 click, from a smartphone.

Brand-new scenarios

Welcome
Open the gate and garage door, and turn on the lights just before arriving.
Everything closes automatically when the car is parked...thanks to GPS. Welcome home.
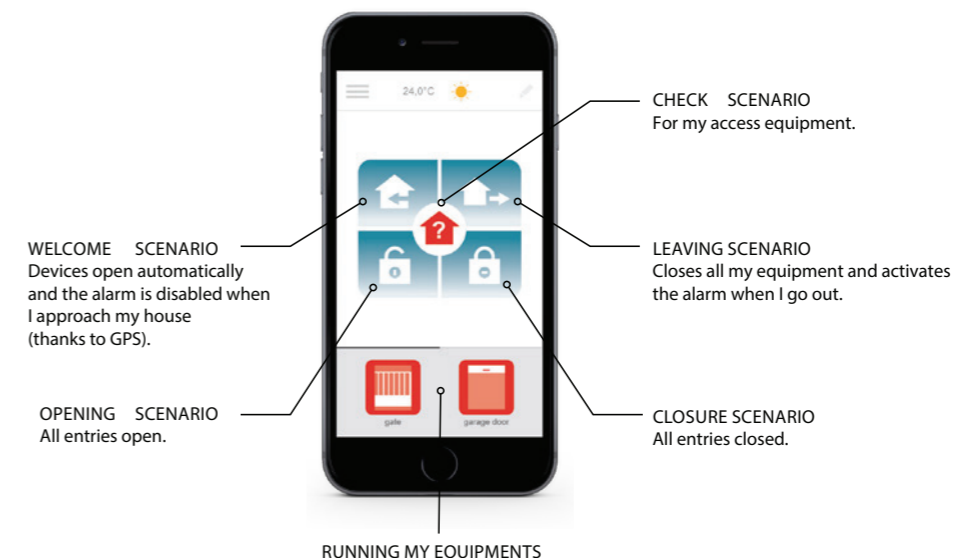
Check access
Check the status of entries and alarms with 1 click...reassure yourself the house is secure, even when you're away from home
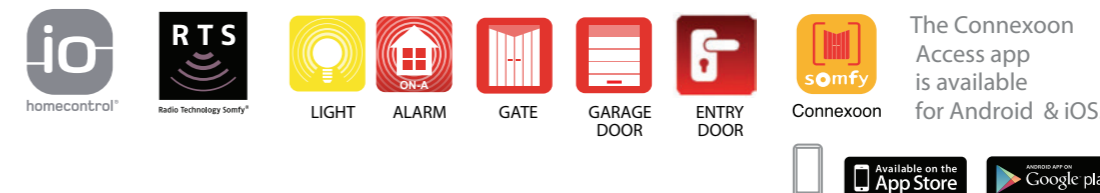
Plug & play installation

ANDROID APP ON Google play
Available on the App Store

Fix&GO

Technical characteristics

Mains power supply	230-220 V - 60-50 Hz	Working stroke	480 mm
Minimum room needed behind the leaf*	160 mm	Opening time to °90	15 to 30 s depending on the installation
Maximum hinge pins o ffset**	183 mm	RTS radio frequency	433.42 MHz
Motor voltage	230 V	Number of remote controls	128 channels maximum
Maximum power consumption	210 W	Index of protection	IP 44
Lighting output	230 V - 60 W	Operating temperature	°20-C to °60+C
Accessories power supply	24 Vac / 360 mA		
Thrust force	2,000 N		

CONNEXOON ACCESS

CHECK SCENARIO
For my access equipment.

WELCOME SCENARIO
Devices open automatically and the alarm is disabled when I approach my house (thanks to GPS).

LEAVING SCENARIO
Closes all my equipment and activates the alarm when I go out.

OPENING SCENARIO
All entries open.

CLOSURE SCENARIO
All entries closed.

RUNNING MY EQUIPMENTS

Compatible protocol

io homecontrol®	R T S Radio Technology Somfy®	LIGHT	ALARM ON-A	GATE	GARAGE DOOR	ENTRY DOOR	Connexoon

The Connexoon Access app is available for Android & iOS.

Available on the App Store
ANDROID APP ON Google play

Packs

Connexoon io	Connexoon RTS	Elixo 3 500 S Connexoon io	Axovia Multi Pro 3S Connexoon io
Ref. 1811429	Plug Type C: Ref. 1811589 Plug Type G (UK, UAE): Ref. 1811592	Ref. 1216480	Ref. 1216481

Strategic Partners

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