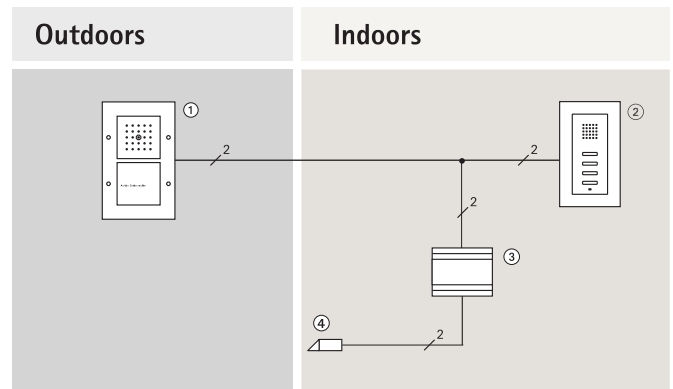


# Wiring Examples

## Example 1

Door entry with audio function for 1 room

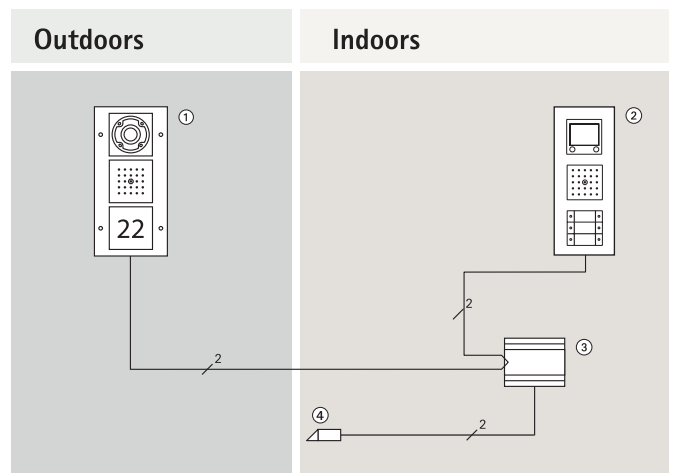
Diag.	Qty.	Part no.	Component
①	1	LSG.1266.66	<b>External – Wall-Mounted</b> – Speaker and 1-gang White LED Switch, matt white
②	1	LSG.1250.27	<b>Internal – Wall-Mounted</b> – Hands-free station, matt white – Frame for Hands-free station, white glass
	1	LSG.1002.12	
③	1	LSG.1287.00	Audio Control Unit
④	1	LSG.1289.00	Common door opener



## Example 2

Door Entry with video function for 1 room

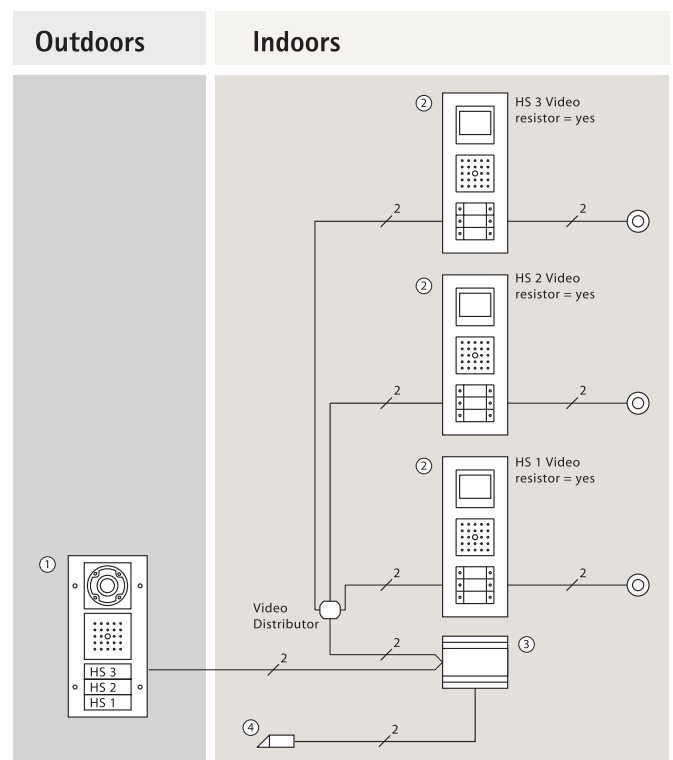
Diag.	Qty.	Part no.	Component
①	1	LSG.1286.65	<b>External – Wall-Mounted</b> – Colour Camera, satin silver – Speaker and 1-gang White LED Switch, satin silver – 3-gang Outdoor Grid-frame, satin silver
	1	LSG.1260.65	
	1	LSG.0213.65	
②	1	LSG.1286.26	<b>Internal – Wall-Mounted</b> – TFT Camera – Colour Display, satin silver – Hands-free Speaker and 6-way Switch, satin silver – 3-gang Indoor Grid-frame, glass
	1	LSG.1280.26	
	1	LSG.0213.18	
③	1	LSG.1288.00	Video Control Unit
④	1	LSG.1289.00	Common door opener



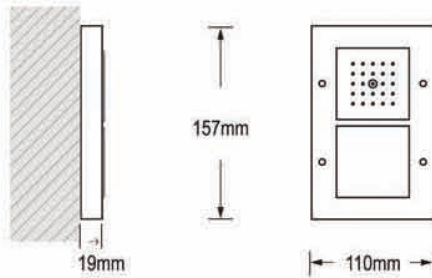
## Example 3

Door entry with video function for 3 rooms

Diag.	Qty.	Part no.	Component
①	1	LSG.1286.65	<b>External – Wall-Mounted</b> – Colour Camera, satin silver – Speaker and 1-gang White LED Switch, satin silver – 3-gang Outdoor Grid-frame, satin silver
	1	LSG.1260.65	
	1	LSG.0213.65	
②	3	LSG.1286.26	<b>Internal – Wall-Mounted</b> – TFT Camera – Colour Display, satin silver – Hands-free Speaker and 6-way Switch, satin silver – 3-gang Indoor Grid-frame, glass
	3	LSG.1280.26	
	3	LSG.0213.18	
③	1	LSG.1288.00	Video Control Unit
④	1	LSG.1289.00	Common door opener



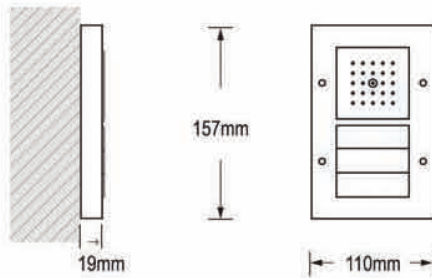
# External - Door Entry Sets



## Outdoor Station - Surface-Mounted

Speaker and 1-gang White LED Switch

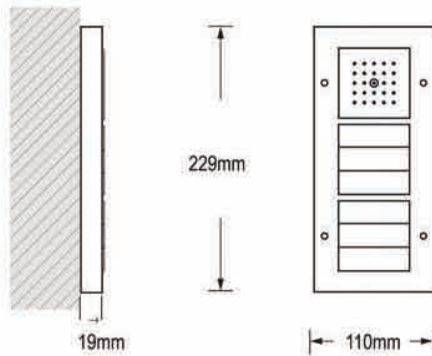
LSG.1266.66 Matt White  
 LSG.1266.67 Anthracite  
 LSG.1266.65 Satin Silver



## Outdoor Station - Surface-Mounted

Speaker and 2-/3-gang White LED Switch

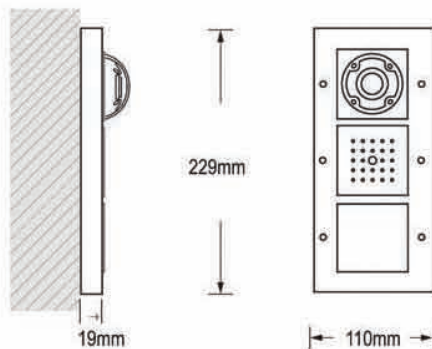
LSG.1267.66 Matt White  
 LSG.1267.67 Anthracite  
 LSG.1267.65 Satin Silver



## Outdoor Station - Surface-Mounted

Speaker and two 2-/3-gang White LED Switches

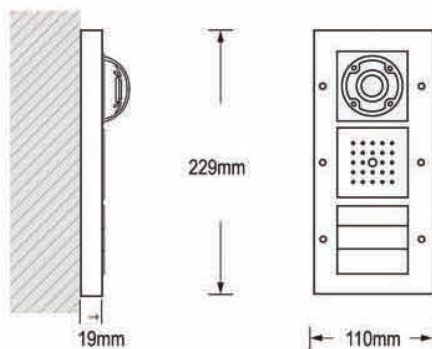
LSG.1268.66 Matt White  
 LSG.1268.67 Anthracite  
 LSG.1268.65 Satin Silver



## Outdoor Station - Surface-Mounted

Camera, Speaker and 1-gang White LED Switch

LSG.1269.66 Matt White  
 LSG.1269.67 Anthracite  
 LSG.1269.65 Satin Silver



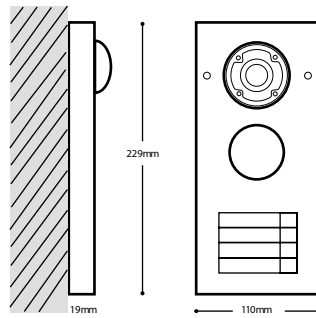
## Outdoor Station - Surface-Mounted

Camera, Speaker and 2-/3-gang White LED Switch

LSG.1270.66 Matt White  
 LSG.1270.67 Anthracite  
 LSG.1270.65 Satin Silver

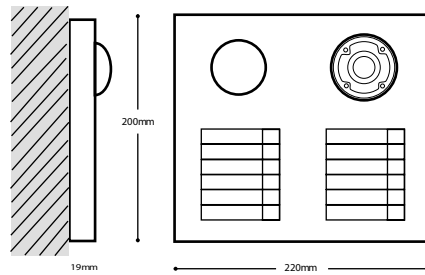
# External - Door Entry Sets - Stainless Steel

## Stainless Steel 1 / 4 with Colour Camera



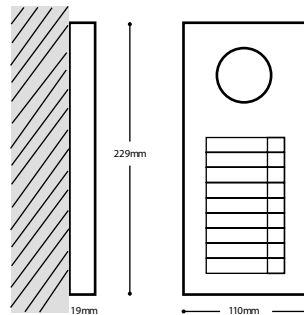
Camera and Speaker with 1 / 4-gang LED switches.

## Stainless Steel / 12 with Colour Camera



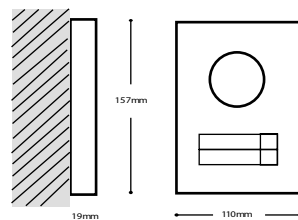
Camera and Speaker with 12-gang LED switches.

## Stainless Steel / 9



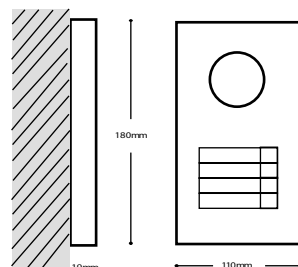
Speaker with 9-gang LED switches.

## Stainless Steel 1 / 2



Speaker with 1 / 2-gang LED switches.

## Stainless Steel / 4

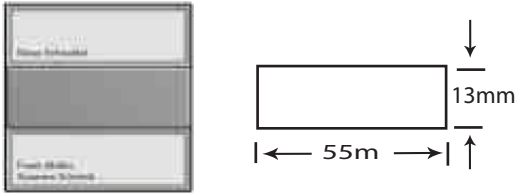


Speaker with 4-gang LED switches.

# External - Door Entry Sets - Stainless Steel

## Blank Cover Plate

If there is a call button not in use on a 2/3 gang door station then a cover plate can be used to hide it. The plate is available in three system colours of white, anthracite and aluminium.



## Stainless Steel Door Station

A high quality stainless steel front plate that is mounted without screws. It can include up to 12 call buttons and the robust stainless steel makes the name plates, loudspeaker and microphone vandal proof.



Stainless Steel /4 with colour camera



Stainless Steel /12 with colour camera



Stainless Steel /9



Stainless Steel /2



Stainless Steel /4

## Stainless Steel Door Station

A 5.7" wide screen providing excellent picture quality at a resolution of 640 x 480 pixels. Also includes a convenient hands-free speech function for excellent speech quality. It is also operated easily via a backlit knob and four function buttons found on the terminal. A well laid out menu level, shown in the display, provides further functions.



Glass White



Glass Mint



Glass Black

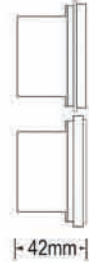
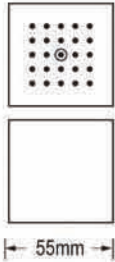
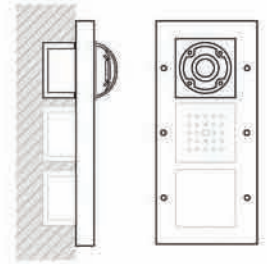
# External - Door Entry Components



## Colour Camera

For use with flush-mounted outdoor station

LSG.1265.66	Matt White
LSG.1265.67	Anthracite
LSG.1265.65	Satin Silver



## Speaker and 1-gang LED Switch

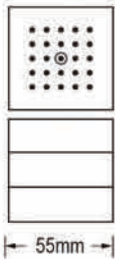
For use with flush-mounted outdoor station

White LED

LSG.1260.66	Matt White
LSG.1260.67	Anthracite
LSG.1260.65	Satin Silver

Blue LED

LSG.1271.66	Matt White
LSG.1271.67	Anthracite
LSG.1271.65	Satin Silver



## Speaker and 2-/3-gang LED Switch

For use with flush-mounted outdoor station

White LED

LSG.1261.66	Matt White
LSG.1261.67	Anthracite
LSG.1261.65	Satin Silver

Blue LED

LSG.1272.66	Matt White
LSG.1272.67	Anthracite
LSG.1272.65	Satin Silver



## 1-gang LED Switch

For use with flush-mounted outdoor station

White LED

LSG.1262.00
-------------

Blue LED

LSG.1293.00
-------------



## 2-/3-gang LED Switch

For use with flush-mounted outdoor station

White LED

LSG.1263.00
-------------

Blue LED

LSG.1294.00
-------------

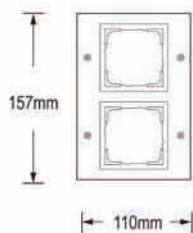


## Blank Cover Plate

For 2/3-gang LED switch

LSG.1255.66	Matt White
LSG.1255.67	Anthracite
LSG.1255.65	Satin Silver

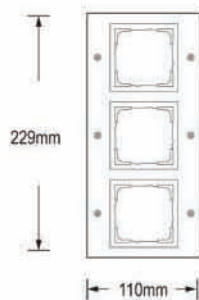
# External - Door Entry Components Grid



## 2-gang Outdoor Grids

Manufactured from Thermoplastic:  
waterproof, shatter proof and UV- resistant.

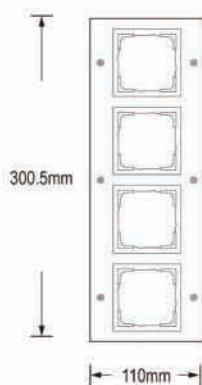
LSG.0212.66 Matt White  
LSG.0212.67 Anthracite  
LSG.0212.65 Satin Silver



## 3-gang Outdoor Grids

Manufactured from Thermoplastic:  
waterproof, shatter proof and UV- resistant.

LSG.0213.66 Matt White  
LSG.0213.67 Anthracite  
LSG.0213.65 Satin Silver



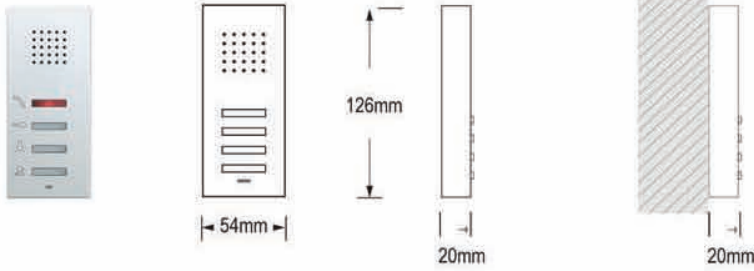
## 4-gang Outdoor Grids

Manufactured from Thermoplastic:  
waterproof, shatter proof and UV- resistant.

LSG.0214.66 Matt White  
LSG.0214.67 Anthracite  
LSG.0214.65 Satin Silver



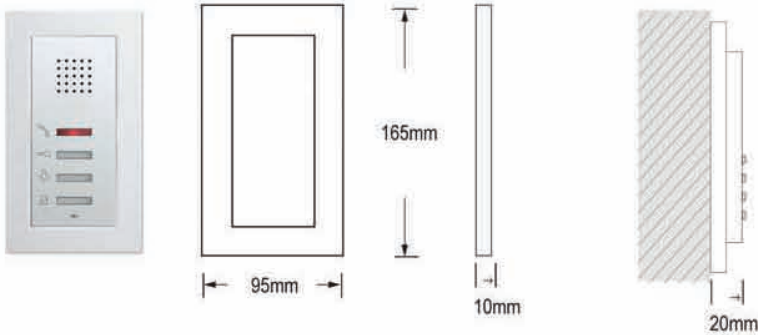
# Internal - Door Entry Components



## Indoor Station

Hands free, Surface-Mounted

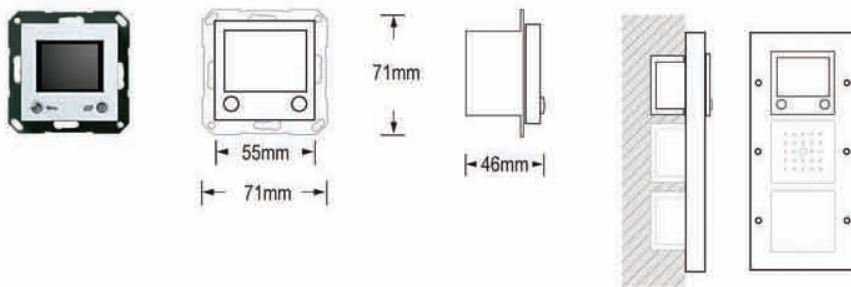
- LSG.1250.27 Matt White
- LSG.1250.28 Anthracite
- LSG.1250.26 Satin Silver



## Frame options for LSG.1250

Surface-Mounted

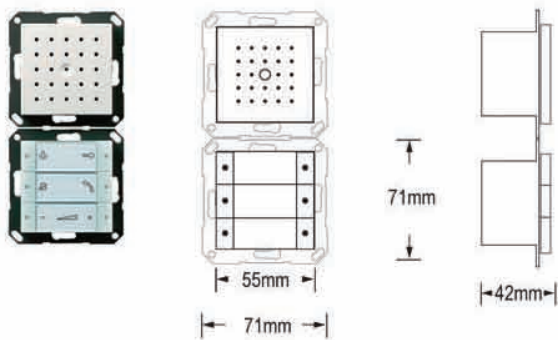
- LSG.1002.09 Terracotta
- LSG.1002.10 Chrome
- LSG.1002.11 Wenge Wood
- LSG.1002.12 White Glass
- LSG.1002.17 Aluminium
- LSG.1002.18 Glass
- LSG.1002.19 Brass



## TFT Camera - Colour Display

For use use in flush-mounted door station

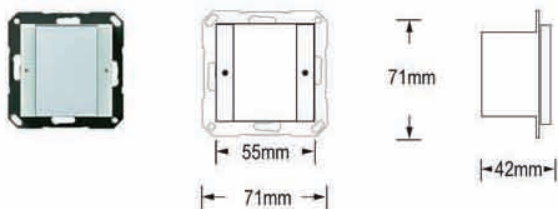
- LSG.1286.27 Matt White
- LSG.1286.28 Anthracite
- LSG.1286.26 Satin Silver



## Hands free Speaker and 6-way Switch

Suitable for use in flush-mounted Home Station

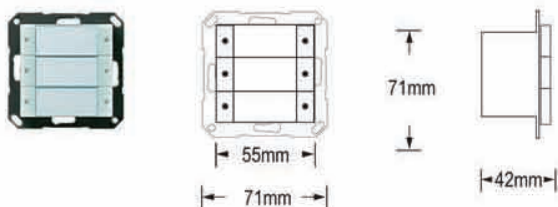
- LSG.1280.27 Matt White
- LSG.1280.28 Anthracite
- LSG.1280.26 Satin Silver



## Single push Switch

For use use in flush-mounted home station

- LSG.1283.00

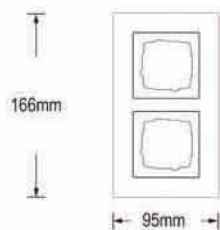


## 3-gang push Switch

For use use in flush-mounted home station

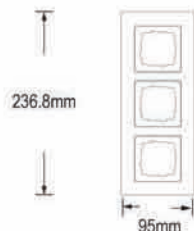
- LSG.1285.00

# Internal - Door Entry Components Grid



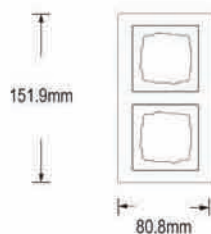
## 2-gang Glass Grids

LSG.0212.18 Glass



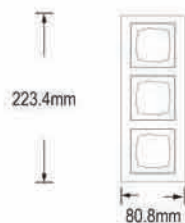
## 3-gang Glass Grids

LSG.0213.18 Glass



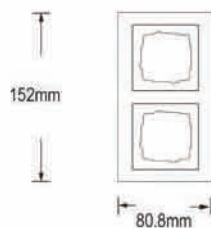
## 2-gang Plastic Grids

LSG.0212.22 Matt White  
LSG.0212.23 Anthracite  
LSG.0212.25 Satin Silver



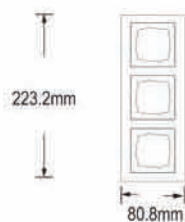
## 3-gang Plastic Grids

LSG.0213.22 Matt White  
LSG.0213.23 Anthracite  
LSG.0213.25 Satin Silver



## 2-gang Stainless Steel Grids

LSG.0212.21 Stainless Steel

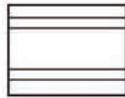


## 3-gang Stainless Steel Grids

LSG.0213.21 Stainless Steel



# Internal - Components and Back Boxes



This can operate up to 6 separate internal stations.

## Audio Power Supply Unit

Control device for the supply of the audio components, and door release.

LSG.1287.00



This can operate 2 external stations with colour cameras and 18 internal stations with TFT screens.

## Video Power Supply Unit

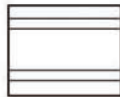
Control device for the supply of the audio and video components and incorporates door release.

LSG.1288.00



## Video Connector

LSG.1292.00



## Additional Power Supply

A device with 5 modules providing a supply for commercial or large installations.

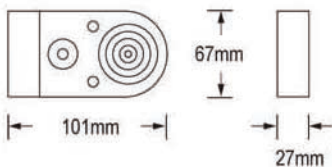
LSG.1296.00



## Door Release Actuator

Switching time can be adjusted from 1-10 seconds.

LSG.1289.00



## Built-in Loud Speaker

LSG.1258.00

## One Gang Plasterboard

Single box with screw fixing clamps for plasterboard.

LS.9063.01

Pack 25 / 250

## Two Gang Plasterboard

Double box with screw fixing clamps for plasterboard.

LS.9062.02

Pack 10 / 100

## One Gang Brick

Single box for brick walls. May be joined to form multiple combinations.

LS.1056.02

Pack 25 / 500

## Two Gang Brick

Double box for brick walls. May be joined to form multiple combinations.

LS.1656.02

Pack 10 / 100



# Smart Control - Transmitter and Receivers



## Smart Control 2 Channel Transmitter

Range\*: upto 30m

A C . T 0 0 2 . 5 0      Black



## Smart Control 24 Channel Transmitter

Range\*: upto 100m

A C . T 0 5 0 . 5 0      Black



## Smart Control 24 Channel Transmitter

Range\*: upto 100m  
5 Scenes

A C . T 0 2 4 . 5 0      Black



## Smart Control Low Voltage Tungsten Switch Dimmer

Rating: 315va incandescent  
and low voltage lamp

A C . R 4 0 0 . 5 7      White



## Smart Control Fluorescent Switch Dimmer

Rating: 8 amp relay  
15mA output for 0-10v dimming receiver

A C . R 3 0 0 . 5 7      White



## Smart Control Receiver Switch

Rating: 10 amp 230v

A C . R 0 1 0 . 5 7      White



## Smart Control In-Line Transmitter

Rating: 315va, Range: 100m

A C . R 4 5 0 . 5 7      White



## Transmitter

Range: upto 100m  
Converts main wall switch into  
single channel transmitter.

A C . T 0 2 0 . 5 7      White



## Remote Switching Actuator for 2 on/off circuits

Rating: 230v, 1 x 8 amp,  
Suitable for luminaires or wall boxes.  
400-100w incandescent & low voltage lamps

A C . R 0 2 0 . 5 7      White



## Remote Switching Actuator for electric motors

Rating: 230v, 2 x 6 amp  
Suitable for luminaires or wall boxes.  
400w incandescent & low voltage lamps

A C . R 0 2 6 . 5 7      White



## Remote Switching Actuator for electric motors

Rating: 230v, 2 x 6 amp relays  
Suitable for motor housing or wall boxes.  
400w incandescent & low voltage lamps

A C . T 0 0 6 . 5 7      White



## IP55 Wireless Wall Mounted PIR

Detection Field: 18 16 x 32m  
Adjustable Sensitivity: 20-100%

A C . T 1 8 0 . 5 7      White



## Light Sensor

Ceiling Mounted

A C . T 3 8 0 . 5 7      White



## PIR Motion Detector and Light Sensor

Ceiling Mounted

A C . T 3 2 0 . 5 7      White



## Smart Control Power Booster

Rating: 700-7000w, incandescent and low voltage  
electronic transformers. Multiple boosters may be  
used in a single circuit. (upto 10)

A C . 0 2 4 7 . 5 7      White



## Smart Control Range Booster Box

Mains Voltage. Increases operating range of  
transmitters by upto 100m.

A C . T 0 0 0 . 5 7      White

# Smart Control - Transmitter and Receivers



## Smart Control 1 Channel Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
White trim finish

A C . T 0 4 1 . 1 2      Chrome  
A C . T 0 4 1 . 1 8      Satin Silver  
A C . T 0 4 1 . 5 7      White



## Smart Control 1 Channel Push Button

Recess - Mounted  
Range\*: upto 100m  
White trim Finish

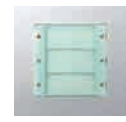
A C . T 0 7 1 . 1 2      Chrome  
A C . T 0 7 1 . 1 8      Satin Silver  
A C . T 0 7 1 . 5 7      White



## Smart Control 3 Channels Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
White trim finish

A C . T 0 4 3 . 1 2      Chrome  
A C . T 0 4 3 . 1 8      Satin Silver  
A C . T 0 4 3 . 5 7      White



## Smart Control 3 Channels Push Button Sensor

Recess - mounted  
Range\*: upto 100m  
White trim Finish

A C . T 0 7 3 . 1 2      Chrome  
A C . T 0 7 3 . 1 8      Satin Silver  
A C . T 0 7 3 . 5 7      White



## Smart Control 6 Channels Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
White trim finish

A C . T 0 4 6 . 1 2      Chrome  
A C . T 0 4 6 . 1 8      Satin Silver  
A C . T 0 4 6 . 5 7      White



## Smart Control 6 Channels Push Button Sensor

Recess - mounted  
Range\*: upto 100m  
White trim Finish

A C . T 0 7 6 . 1 2      Chrome  
A C . T 0 7 6 . 1 8      Satin Silver  
A C . T 0 7 6 . 5 7      White



## Smart Control 1 Channel Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
Glass trim finish

A C . T 0 4 1 . 0 0      Glass



## Smart Control 1 Channel Push Button Sensor

Recess - mounted  
Range\*: upto 100m  
Glass trim Finish

A C . T 0 7 1 . 0 0      Glass



## Smart Control 3 Channels Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
Glass trim finish

A C . T 0 4 3 . 0 0      Glass



## Smart Control 3 Channels Push Button Sensor

Recess - mounted  
Range\*: upto 100m  
Glass trim Finish

A C . T 0 7 3 . 0 0      Glass



## Smart Control 6 Channels Push Button Sensor

Surface - mounted  
Range\*: upto 30m  
Glass trim finish

A C . T 0 4 6 . 0 0      Glass



## Smart Control 6 Channels Push Button Sensor

Recess - mounted  
Range\*: upto 100m  
Glasstrim Finish

A C . T 0 7 6 . 0 0      Glass

# Radio - No wires in the walls!

---

## Technical Specification:

Radio Frequency	433.42 MHz ISM Band	Channel allocation	by simple learning process
Band Width	100 KHz	Transmission Power	Less than 10 mW
Moduling	ASK (Amplitude Shift Keying)	Range	upto 100m
Coding	1 million combinations	Transmission Speed	1000 buts per second

### ELECTROMAGNETIC RADIATION COMPARISONS

Radio output on the human body (approx.) Measured in milli-watts

GSM Digital Mobile Phone -	1000.00 mW
Digital Cordless Phone -	5.00 mW
Baby Monitor -	0.10 mW
Altima Smart Control -	0.01 mW

Altima's Wireless range of Lighting controls allow wireless switching of loads using fixed or handheld transmitters. It is very simple to design multiple lighting scneeces using Radio Control.

## Frequently Asked Questions

Will the system interfere with my mobile phone?

No! Our radio transmitters have been assigned their own frequency band (433MHz), outside other communication devices.

Can I expand control to multiple lights?

Yes! Radio systems can be expanded at anytime by adding additional receivers or transmitters.

Can I have a 2-way/ group switching?

Yes! Each receiver can learn up to 30 different transmitters.

Can I join multiple light fittings to one dimmer?

Yes! Simply wire together on a common circuit, but please consult with your electrician or luminaire manufacturer for load tolerances.

Can I have a 2-way control?

Yes! You can even have a master controller for central switching and dimming of all lights.

How do I set a scene?

The user adjusts lights to the desired level and then saves that scene to their nominated button on the controller, by holding the button down for at least 5 seconds. The scene is recalled when that button is pressed.

Can I change actions and scenes later?

Yes! Each transmitter and receiver may be taught new functions at anytime.

Can I control other systems?

Yes! The radio system can incorporate control of lighting, curtains, blinds, motion detectors and lux levels.

Who can install these products?

Only qualified electrical contractors should install our products.

Please contact our sales team if you require further assistance: [sales@altima.co.uk](mailto:sales@altima.co.uk)

# Wireless control of lighting & Blinds via Digital FM Radio

---

## Why Radio?

Radio control was developed for clients wishing to expand a building's function with out costs and disruption involved with re-cabling. Total cordless control is available from an ultra high frequency (433 MHz) that, unlike Infrared, is not obstructed by walls or ceilings. The digital signals have over a million unique codes ensuring no interference from nearby systems. Mobile communications have no effect at all.

Radio control is divided into 2 types of products:

- Transmitters (senders) and receivers.

## TRANSMITTERS

Transmitters are either wall-mounted, handheld or hidden behind an existing switch. When the button is pushed a signal is sent out that will only be picked up by the appropriate receivers up to 100 metres away. A single Transmitter may control single or multiple Receivers according to the clients wishes. For example, simple handheld transmitters can control 24 separate channels and store light scenes for instant recall.

## RECEIVERS

Receivers are either dropper into the mains circuit or may be fixed in the device being controlled. Each receiver is programmed by the installer to 'listen' for it's own commands. Up to 30 different transmitters may be stored in the receivers memory allowing for group switching or dimming. This system allows for features such as central on / off function.

## TYPES OF DEVICES

### Transmitters:

Handheld - 24 Channel  
Key ring - 2 Channel  
Stick of wall switches 1-12  
Semi-recessed wall switches (retro-fitting)  
Main wired into existing switches  
PIR sensors  
Light sensors

### Receivers:

10amp switch  
315va dimmer for LV & Incandescent lamps  
0-10v dimmer for fluorescent lamps  
Wall dimmers for retro-fitting  
In-line dimmers for table/ floor lamps  
Blind/ curtain controllers  
Switches for fitting into luminaires

**Example:** A light switch may be fitted with a Radio Dimmer. The light is controlled from the wall switch as usual and / or from a handheld receiver, allowing the user to switch the light on / off from the driveway. This function can be expanded to a whole office or house. It can be programmed to allow scenes.

## Who Installs?

Normal contractors intall the Radio Control System. As each device is installed it is 'taught' its function. There are no computers involved or long commissioning. The user may easily teach a transmitter new functions after installation if required.





# Lamps

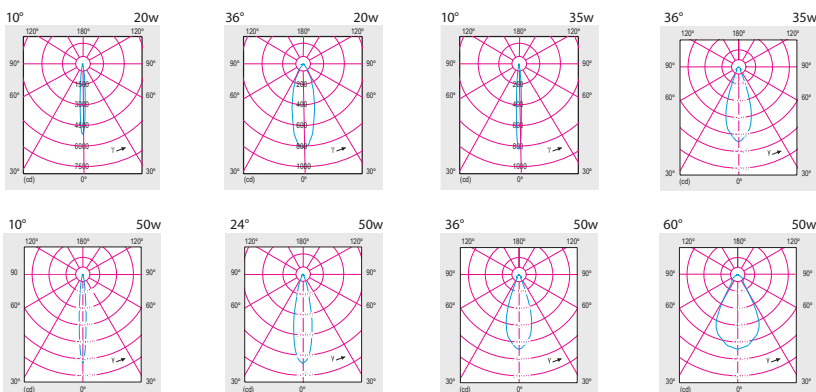


# Lamp Specifications



## Low Voltage Tungsten Halogen

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
<b>MR16 Dichroic</b>  	TL.520.10	20W	12V	5000 cd	51	GU5.3	75°
	TL.520.38	20W	12V	780 cd	51	GU5.3	38°
	TL.535.10	35W	12V	8000 cd	51	GU5.3	10°
	TL.535.36	35W	12V	1500 cd	51	GU5.3	36°
	TL.550.EXT	50W	12V	12,500 cd	51	GU5.3	10°
	TL.550.EXZ	50W	12V	4,400 cd	51	GU5.3	24°
	TL.550.EXN	50W	12V	2,200 cd	51	GU5.3	36°
	TL.550.FNV	50W	12V	1,100 cd	51	GU5.3	60°

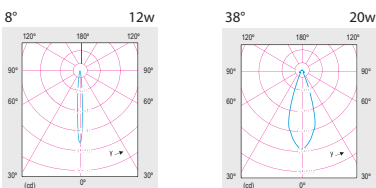
### Light Intensity Diagrams





## Low Voltage Tungsten Halogen

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
<b>MR11 Dichroic</b>  	TL.312.08	12W	12V	2,600 cd	35	GU4	8°
	TL.320.38	20W	12V	800 cd	35	GU4	38°

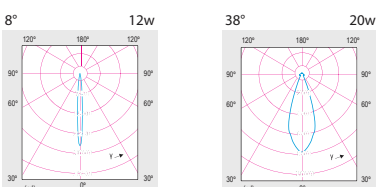
### Light Intensity Diagrams



## Low Voltage Tungsten Halogen



	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
<b>MR8 Dichroic</b>  	TL.210.08	10W	12V	1700 cd	25	GU4	8°
	TL.220.08	20W	12V	800 cd	25	GU4	8°

### Light Intensity Diagrams




# Lamp Specifications

## Low Voltage Tungsten Halogen Capsule

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
Capsule 	TL.CAPV.20	20W	12V	320 lm	9.3 G4	n/a	
	TL.CAPV.35	35W	12V	600 lm	12 GY6.35	n/a	
	TL.CAPV.50	20W	12V	935 lm	12 GY6.35	n/a	



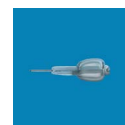
## Low Voltage Tungsten Halogen Capsule Ministar Axial

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
Capsule Ministar Axial 	TL.M20A.20	20W	12V	600 cd	16	GY6.35	30°



## Low Voltage Tungsten Halogen Capsule Ministar Side

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
Capsule Ministar Side 	TL.M20S.20	20W	12V	90 cd	9.5	G4 35/60°	




## Low Voltage Tungsten Halogen B15d

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
B15d 	TL.372.32	20W	12V	350 cd	37	B15d	24°
	TL.L6439.25	50W	12V	5,300 cd	56	B15d	24°

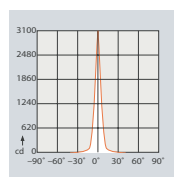


## Low Voltage Tungsten Halogen Halopin

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
Halopin AR48 	TL.301.08	20W	12V	3,100 cd	48	GY4	8°



### Light Intensity Diagrams



## Low Voltage Tungsten Halogen Halopin AR70

	Product Code	Wattage	Voltage	Lumen (lm) Lum.intens.(cd)	Diameter (mm)	Lamp Holder	Degrees
Halopin AR70 	TL.570.24	50W	12V	2,600 cd	70	B15d	24°



### Light Intensity Diagrams

