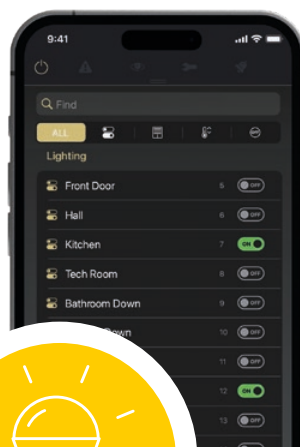


# Integra

sample system configuration



**Lighting  
Control**

To make your system more affordable and comfortable, you can use it to control both security and building automation. Using the same system components for security and building automation makes the whole installation more cost-effective.

## Lighting Control

You can use the **INTEGRA** or **INTEGRA Plus** intruder alarm system to control various lights. To accomplish this, the system analyses different data collected by the connected devices, for example, movement detectors or dusk sensors. The system can also work according to a programmed schedule. With the so-called scenarios (also called macro commands), users can initiate several commands using a single button. The scenarios function is supported by the **INT-TSH2**, **INT-TSG2**, and **INT-TSI** touchscreen keypads as well as the **INT-KSG2R** touch keypad, and the **INTEGRA CONTROL** mobile app.

The **INT-ORS** and **INT-IORS** expansion modules, equipped with relay outputs, can be employed for controlling different light points. To enable even more advanced building automation functions, integrate the INTEGRA system with KNX devices. All INTEGRA control panel units are KNX-compatible, giving installers access to a wide range of various actuating devices - dimmers, for example.

### Guidelines:

- Because limited access to natural light, the upstairs and downstairs hallways are lit by additional lights. These lights are turned on whenever movement is detected by the motion detectors, regardless of the time of day. During power cuts, with no access to a 230 V AC supply, the system turns on the emergency lights: the white LEDs of the **SLIM-DUAL-LUNA** motion detectors.
- When no power is detected, the **SLIM-PIR-LUNA** emergency lights are turned on in other rooms, too. However, this happens only when the detectors sense movement, and it's already dark.
- In the kids room, the main lights are turned off automatically at the specified hour. At the same time, the LEDs of the **SLIM-PIR-LUNA** motion detector are turned on, subtly illuminating the room.
- After everyone leaves the house, and the system gets armed, all lights that were left on unnecessarily are turned off instead.
- All the lights in the living room, kitchen, bedroom, kids room, and garden, can be controlled directly using wall switches, keypads, or a dedicated mobile app.

### Example configuration:

- The alarm system is controlled by the **INTEGRA 128 Plus** control panel unit that additionally controls building automation.
- The outdoor **OPAL Plus** motion detector is installed in the garden. The detector features a built-in dusk sensor, which changes its status 15 minutes after dusk or dawn.
- Selected rooms are monitored by either a **SLIM-PIR-LUNA** or a **SLIM-DUAL-LUNA** motion detector. Their built-in white LEDs are used as emergency lighting. They are activated when the common ground from the control panel output is applied to the LUNA input.
- The control panel controls the lights using the **INT-ORS** output expansion module. All lights run on 230 V AC mains voltage.

#### INTEGRA CONTROL

- control of **INTEGRA/INTEGRA Plus** intruder alarm and building automation system
- secure and encrypted communication with control panel unit
- access to live camera feed
- supports MACRO commands
- Push notifications

#### Zone configuration

No.	Zone name	Part	Wiring type	Sensitivity	Zone type	Entry delay	Max.Viol. Tim	Max.No Viol.Tim	Pow	Prior	Vide	Vide	Byp	Byp	Auto	Clear	Pre-Bell	Abor	Res	Res	Alarm	Tam	Resp	CHIM	
1	Living PIR	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
2	Children PIR	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
3	Hall Down DUAL	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
4	Hall Up DUAL	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
5	Kitchen PIR	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
6	Bedroom PIR	1	4: 2EOL/NC	320 ms.	5: Instant	0 sec.	0 sec.	0 h.							X			X		X	X		X		
8	Garden DUAL	1	4: 2EOL/NC	320 ms.	8: Exterior	0 sec.	0 sec.	0 h.							X			X		X	X		X		
9	Dusk	1	2: NO	1000 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		
10	Garden SWITCH	1	2: NO	100 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		
11	Living SWITCH	1	2: NO	100 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		
12	Kitchen SWITCH	1	2: NO	100 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		
13	Bedroom SWITCH	1	2: NO	100 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		
14	Children SWITCH	1	2: NO	100 ms.	47: No alarm action	0 sec.	0 sec.	0 h.							X			X		X	X		X		

127	TurnOff LAMP	1	8: follow output	OUT:125	92: Outputs group Off gr.Keypad7, "" 0 sec.										X				X			X	X		X	
-----	--------------	---	------------------	---------	---------------------------------------------	--	--	--	--	--	--	--	--	--	---	--	--	--	---	--	--	---	---	--	---	--

List:	Outputs:
Keypad7, code+""	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128

128	TurnOff LIGHTS	1	8: follow output	OUT:127	92: Outputs group Off gr.Keypad7, "" 0 sec.										X				X			X	X		X	
-----	----------------	---	------------------	---------	---------------------------------------------	--	--	--	--	--	--	--	--	--	---	--	--	--	---	--	--	---	---	--	---	--

List:	Outputs:
Keypad7, code+""	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128

#### Timer

No.	Name	User edits	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		Everyday	
			On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off
1	Children Room																0:00	6:00

#### Output configuration

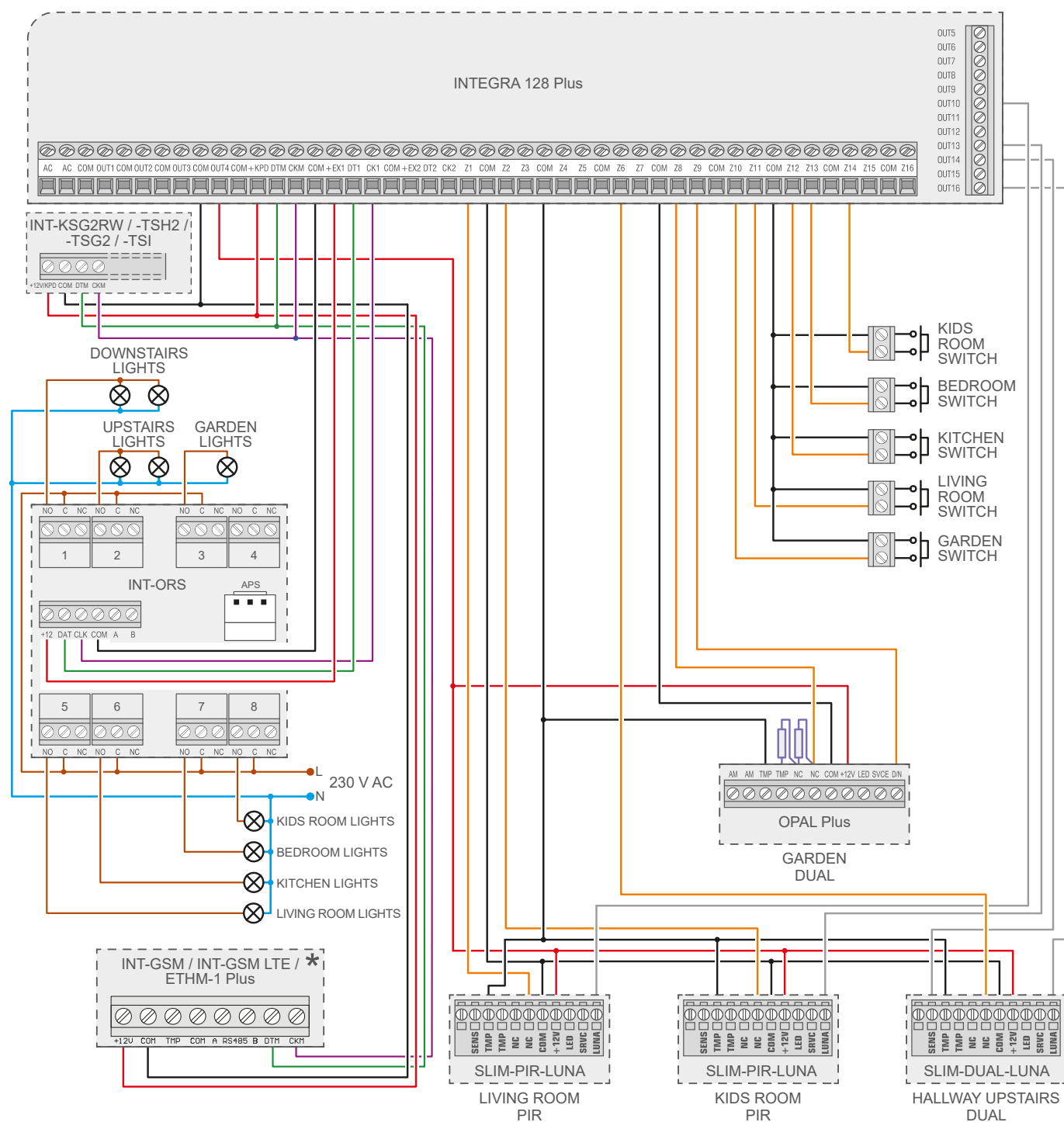
No.	Output name	Output function	Cut off time	State indicator	Pol.+	Puls.	Latch	Triggering:
10	Living LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 119,126,128
11	Kitchen LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 120,126,128
12	Bedroom LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 121,126,128
13	Children LUNA	47: Outputs logical OR	0 min. 30 sec.	0: standard	X			outputs: 118,125
14	Hall SENS	21: Armed status	0 min. 30 sec.	0: standard				
15	Hall Down LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 123,128
16	Hall Up LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 124,128
17	Hall Down LIGHT	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 3
18	Hall Up LIGHT	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 4
19	Garden LIGHT	25: BI switch	0 min. 30 sec.	0: standard	X			zones: 10
20	Output 20	0: Not used	0 min. 30 sec.	0: standard	X			
21	Living LIGHT	25: BI switch	0 min. 30 sec.	0: standard	X			zones: 11
22	Kitchen LIGHT	25: BI switch	0 min. 30 sec.	0: standard	X			zones: 12
23	Bedroom LIGHT	25: BI switch	0 min. 30 sec.	0: standard	X			zones: 13
24	Children LIGHT	25: BI switch	0 min. 30 sec.	0: standard	X			zones: 14

118	Child CTRL LUNA	46: Outputs logical AND	0 min. 30 sec.	0: standard	X			outputs: 122,126,128
119	Living MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 1
120	Kitchen MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 5
121	Bedroom MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 6
122	Children MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 2
123	Hall Down MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 3
124	Hall Up MOTION	24: MONO switch	0 min. 30 sec.	0: standard	X			zones: 4
125	Children NIGHT	26: Timer	0 min. 30 sec.	0: standard	X			timers: 1
126	DARK	17: READY status	0 min. 30 sec.	0: standard				zones: 9
127	ARMED	22: Full Armed status	0 min. 30 sec.	0: standard	X			
128	AC LOSS	28: AC loss (mainboard)-immediate	0 min. 30 sec.	0: standard	X			

Connection  
diagram on  
the next page



## Connection diagram



\* Allows controlling system with the INTEGRA CONTROL mobile app **integra** CONTROL  
This diagram is for demonstration purposes only, and includes only selected devices from the system.

UJTJZ-OSWIETLNIE-EN0723

**Satel**  
MADE TO PROTECT

Budowlanych 66 Str.  
80-298 Gdansk, Poland  
phone +48 58 320 94 00  
fax +48 58 320 94 01  
e-mail: trade@satel.pl

[www.satel.pl](http://www.satel.pl)

## INSTALLER KNOWLEDGE BASE

Register at  
**support.satel.pl**

- webinars
- technical support
- manuals

