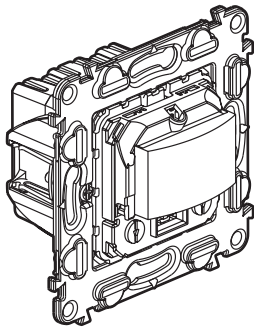
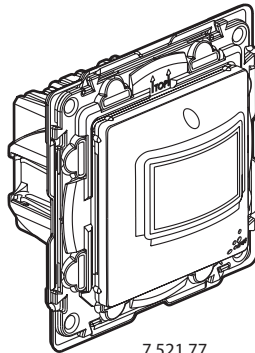


Valena™ Life - Valena™ INMATIC
Automatic switch - 2-wire

Cat. No(s): 7 520 70 - 7 521 70/72 - 7 522 70/72 - 7 523 70/72 - 7 521 77



7 520 70



7 521 77

CONTENTS

Page

1. Use	1
2. Range	1
3. Overall dimensions	1
4. Connection	1-2
5. Operation	2-3
6. Technical characteristics	4
7. Cleaning	4
8. Standards and approvals	4

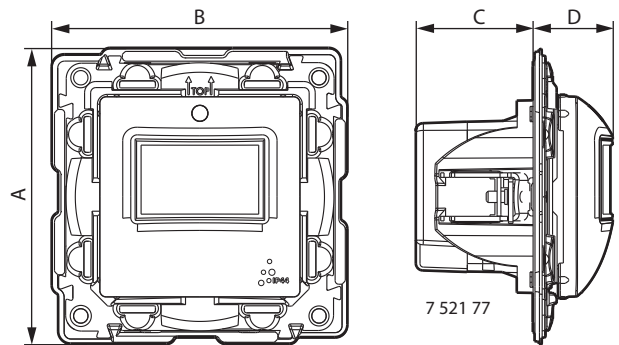
1. USE

Automatic switches without neutral, with infrared detection.
 Verifies the presence of natural light permanently, extinction when the natural light is insufficient.
 Installation in box depth 50 mm recommended (40 mm minimum).
 To be equipped with plate.
 Flush or surface mounting.
 Screw or claw fixing.

2. RANGE

	Description	Cover plate	Reference
	Automatic switch Valena INMATIC - 250 W 2-wire without settings Mechanism supplied with support frame	-	7 520 70
	Automatic switch Valena - 250 W 2-wire without settings Mechanism supplied with support frame and cover plate	Blanc	7 521 70
		Ivoire	7 522 70
		Aluminium	7 523 70
	Automatic switch Valena 250 W 2-wire without settings Mechanism supplied with support frame and cover plate	Blanc	7 521 72
		Ivoire	7 522 72
		Aluminium	7 523 72
	Automatic switch Valena - 250 W - IP 44 2-wire without settings Mechanism supplied with support frame and cover plate	Blanc	7 521 77

3. OVERALL DIMENSIONS (mm) (continued)

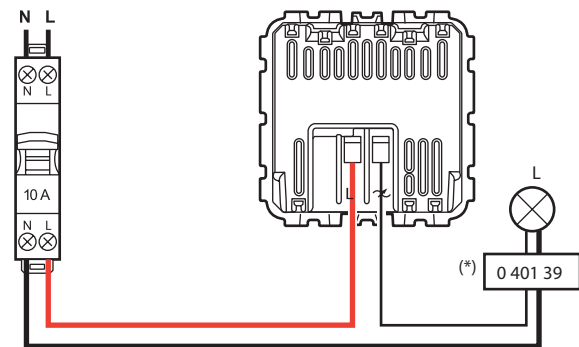


References	A	B	C	D
7 520 70	75	75	32.5	19.5
7 521 70/72 - 7 522 70/72 - 7 523 70/72	75	75	32.5	19.5
7 521 77	78.5	78.5	31	21.5

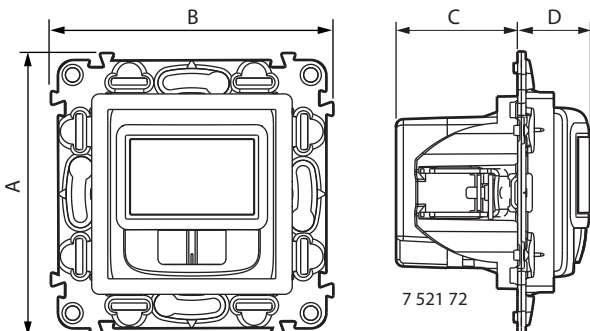
4. CONNECTION

Number of terminals: 2
 Type of terminals: with screws
 Capacity: 2 x 2.5 mm²
 Stripping length: 8 mm
 Screwdriver: flat-blade 4 mm
 Flexible or rigid cables compatible

4.1 Cabling with auxiliary control



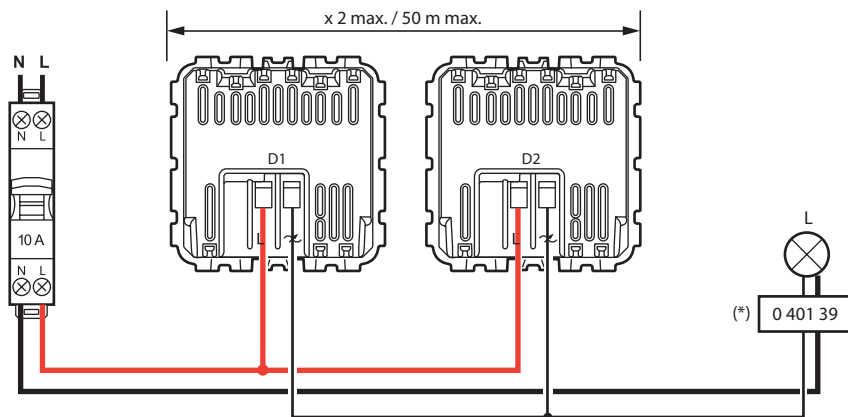
3. OVERALL DIMENSIONS (mm)



7 521 72

4. CONNECTION (continued)

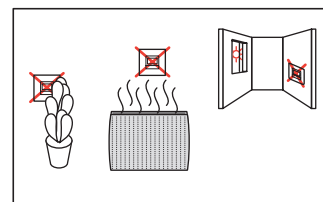
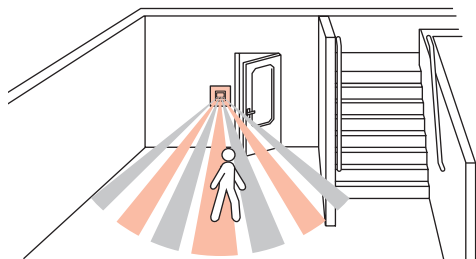
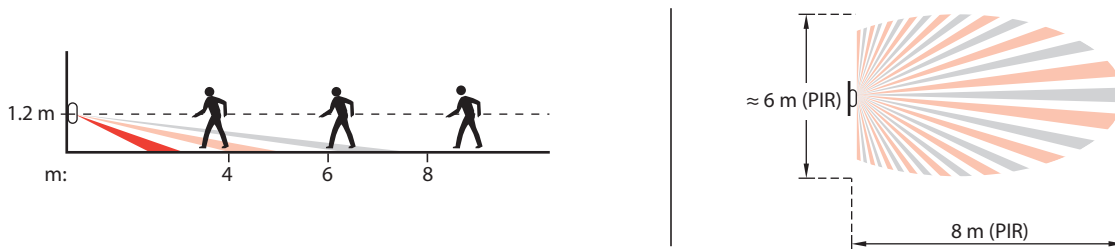
4.2 Cabling with parallel connection for a single charge



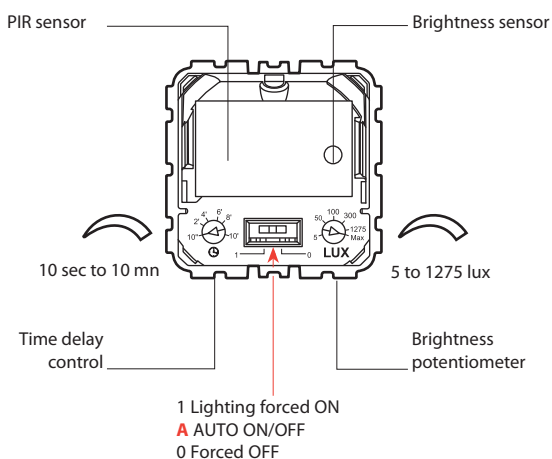
(*) For some electronic loads, the installation of a compensator Cat. No. 0 401 39 is required.

5. OPERATION

5.1 Detection



5.2 Settings



5. OPERATION (continued)

■ 5.3 Operation with a sensor

AUTO mode:

The lighting switches on automatically when presence is detected if there is insufficient natural light.

The lighting switches off automatically if no presence is detected at the end of the set time delay, or if there is insufficient natural light.

Any new detection triggers an automatic switch-on if there is insufficient light.

Manual ON mode:

The user must switch on the lighting manually and the load remains permanently on.

Manual OFF mode:

The user must switch off the lighting manually and the load remains permanently off, even if an auxiliary input pushbutton request is enabled.

■ 5.4 Operation with two sensors in parallel

Factory-set light level (max. value)

Position of switch on sensor No. 1 (S1)	Position of switch on sensor No. 2 (S2)	Pass in front of sensor No. 1	Pass in front of sensor No. 2	Load status
ON	---	XX	XX	ON Permanent
---	ON	XX	XX	ON Permanent
AUTO	AUTO			OFF
AUTO	OFF			OFF
AUTO	AUTO	X		ON with time delay (value S1)
AUTO	OFF	X		ON with time delay (value S1)
AUTO	AUTO		X	ON with time delay (value S2)
AUTO	OFF		X	OFF
AUTO	AUTO	X	X	ON with time delay (max. value of S1 or S2)
AUTO	OFF	X	X	ON with time delay (value S1)
OFF	AUTO			OFF
OFF	AUTO	X		OFF
OFF	AUTO		X	ON with time delay (value S2)
OFF	AUTO	X	X	ON with time delay (value S2)
OFF	OFF	XX	XX	OFF Permanent

X One option: physical pass in front of the sensor

XX Two possible options: no pass or physical pass in front of the sensor

--- Identification of three possible options ON/AUTO/OFF

6. TECHNICAL CHARACTERISTICS

■ **6.1 Mechanical characteristics**

Protection against impact: IK 04
 Protection against solid bodies and liquids: IP 40 (monted) - IP 20 (without rocker)
 IP 44 for Cat. No. 7 521 77

■ **6.2 Material characteristics**

Colour: - White RAL 9003
 - Ivory RAL 1013
 - Aluminium

Material: - Cover plat ABS
 - Halogen free
 - UV resistant

Self-extinguishing: + 850° C / 30 s for insulating parts holding live parts in place
 + 650° C / 30 s for other parts made of insulating materials.

■ **6.3 Electrical characteristics**

Voltage: 110 - 230 V~
 Frequency: 50-60 Hz
 Standby consumption: 0.035 W
 Power:

		①	②	③	④	⑤	⑥	⑦				
230 V~	Max.	250 W	1 A	250 VA	1 A	250 VA	1 A	250 VA	0.4 A	100 W	0.4 A	100 W
	Min.	3 W		3 VA		3 VA		3 VA		3 VA		3 W
110 V~	Max.	125 W	1 A	125 VA	1 A	125 VA	1 A	125 VA	0.4 A	50 W	0.4 A	50 W
	Min.	3 W		3 VA		3 VA		3 VA		3 VA		3 W

1 - Halogen lamp

2 - ELV halogen lamp, fluocompact lamp with separate ferromagnetic ballast

3 - Fluorescent tube with integrated ferromagnetic ballast

4 - ELV halogen lamp, fluocompact lamp and fluorescent tube with separate electronic ballast

5 - LED technology lamp with separate electronic ballast

6 - Fluocompact lamp with integrated electronic ballast

7 - LED technology lamp with integrated electronic ballast

Important: Take account of transformer losses when calculating power. Transformers must be loaded at more than 60% of their power.

Note: Possibility to mix any type of load on the same circuit.

■ **6.4 Climatic characteristics**

Storage temperature: - 20° C to + 70° C
 Operating temperature: - 5° C à + 45° C

7. CLEANING

Keep the lens clean.
 Surface cleaning with a cloth.
 Do not use: acetone, tar remover, trichlorethylene.

Maintenance with the following products: Hexane (EN 60669-1), Methylated spirit, Soapy water, Diluted ammonia, Bleach diluted to 10%, Window cleaning products.

Caution: A preliminary test should be carried out if other specif cleaning products are to be used.

8. STANDARDS AND APPROVALS

Compliance with standards of installation and manufacturing.
 Refer to e. catalogue..