

Technical Data

Solem >



Outputs

					Range* 15 m	Range* 50 m	Range* 800 m	Range* illimitata	9V	230V AC	Outputs
	BL-NR	✓			✓				✓		1
	BT-WB	✓			✓				✓		1/2/4/6
	BL-IP	✓			✓				✓		1/2/4/6
	BL-AG		✓		✓				✓		1/2/4
	SMART-IS	✓			✓	✓				✓	2/4/6/9/12
	LR-IS	✓			✓		✓			✓	2/4/6/9/12
	LR-IP	✓	✓	✓	✓		✓		✓		1/2/4/6
	LR-MB	✓	✓	✓	✓	✓	✓			✓	
	LR-BST-25		✓	✓	✓		✓	✓		✓	
	LR-FL-1	✓	✓	✓	✓		✓		✓		
	LR-MS		✓	✓	✓		✓		✓		

*Portata variabile in funzione della configurazione dell'installazione

> BL-NR - 9 V Bluetooth



	mm
Hei.	145
Wid.	115
Dep.	60



DESCRIPTION:

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP64
- 9V DC latch one output model
- Power supply: 9V DC battery (Type 6LR61)
- Coupling: in - female/out - BSP 3/4" male
- Working pressure 1 ÷ 6 bar
- Flow-rate: 32 l/h ÷ 38 l/m
- Maximum temperature: 50°C

Features

- 1 program with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31gg
- Fogging: 5 sec ÷ 24 hours
- Starts interval: 30 sec ÷ 31 days
- Fogging runtime: 4 max per day
- Manual control

Code	Description	Model	Box
OPG604	Timer BL-NR 3/4"	BL-NR1	20

Solem > BT Programmer with Display

> BT-WB - 9 V Bluetooth



	mm
Hei.	155
Wid.	110
Dep.	65



DESCRIPTION:

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4, 8 outputs, 9V DC latch
- Power supply: 9V DC battery (Type 6LR61)
- Prepared for connection to volumetric meter or rain sensor

Features

- 12 programs with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31 gg
- Manual control
- Solenoid max distance: 30 mt

Code	Description	Stations
OPG725	Bluetooth Programmer IP68 Woo-Bee 9V - WB1	1
OPG726	Bluetooth Programmer IP68 Woo-Bee 9V - WB2	2
OPG727	Bluetooth Programmer IP68 Woo-Bee 9V - WB4	4
OPG728	Bluetooth Programmer IP68 Woo-Bee 9V - WB6	6

Technical Data

Solem > Bluetooth Programmiers

> BL-IP - 9 V Bluetooth



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION:

- Bluetooth irrigation programmer
- Private and public gardens, sport fields

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

Features

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

Code	Description	Model	Box
OPG055	BL-IP 1 sector 9V	BL-IP1	6
OPG056	BL-IP 2 sectors 9V	BL-IP2	6
OPG057	BL-IP 4 sectors 9V	BL-IP4	6
OPG058	BL-IP 6 sectors 9V	BL-IP6	6

> BL-AG - 9 V Bluetooth



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION:

- Bluetooth irrigation programmer
- Private and public gardens, sport fields

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

Features

- Independent programming for each station
- 4 timeframe windows for cyclic programming
- Station runtime: from 1 sec. to 59 minutes
- Pause time: from 30 sec. to 59 minutes
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

Code	Description	Model	Box
OPG147	BL-AG1 1 sector 9 V	BL-AG1	6
OPG148	BL-AG1 2 sectors 9 V	BL-AG2	6
OPG149	BL-AG1 4 sectors 9 V	BL-AG4	6

Technical Data

Solem > Bluetooth Programmiers

> SMART-IS - Wi-Fi 230 V Bluetooth



	mm
Hei.	145
Wid.	110 - 160
Dep.	42



DESCRIPTION:

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Automatic change of irrigation runtimes according to

Application

- detected meteo figures
- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 2, 4, 6, 9 and 12 outputs, 24 V AC
- 24V AC master valve or pump relay output
- Rain sensor or water meter connection
- Power supply: 230/24V AC external transformer

Features

- 12 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt
- Water budget: 0 ÷ 200% or automatic managing by meteo

Code	Description	Model	Box
OPG700	SMART-IS 2 sectors 24 V	SMART-IS2	6
OPG701	SMART-IS 4 sectors 24 V	SMART-IS4	6
OPG702	SMART-IS 6 sectors 24 V	SMART-IS6	6
OPG703	SMART-IS 9 sectors 24 V	SMART-IS9	6
OPG704	SMART-IS 12 sectors 24 V	SMART-IS12	6

Technical Data

Solem > Interfaces

> LR-MB LoRa 230 V



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Hei.	82
Wid.	80
Dep.	13

Senza antenna



DESCRIPTION:

Application

- LoRa management interface for programmers and modules
- Management network creation from 10 up to 25 units with programmers and modules

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Local Wi-Fi router connection
- Managing by MySolem app
- Installation in covered space
- 230V power supply by external transformer
- Antenna extension cables
- Compatible with Wi-Fi 802.11 b/g/n, WPA2-PSK, WPA, WEP

Features

- Connection distance:
250 mt if programmers and modules are housed
800 mt if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

Code	Description	Model	Box
OPG731	LoRa router + Wi-Fi - 230 V 10 modules	LR-MB-10	1
OPG730	LoRa router + Wi-Fi - 230 V 30 modules	LR-MB-30	1
OPG717	5 m antenna extension	LR-EXT-5MT	1
OPG718	10 m antenna extension	LR-EXT-10MT	1

> LR-BST-25 LoRa - 3G



	mm
Hei.	307
Ø	115



DESCRIPTION:

Application

- LoRa management interface for programmers and modules
- Management network creation up to 25 units with programmers and modules
- Internet connection by **3G integrated modem**

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- 3G network connection
- Managing by MySolem app
- Installation in covered space
- 230 V power supply by external transformer or 20 W solar panel
- Integrated buffer battery
- IP64 protection degree

Features

- Connection distance:
250 mt if programmers and modules are housed in valve box
800 mt if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

Code	Description	Model	Box
OPG707	LR-MB Bluetooth- LoRa 3g 25 MOD	LR-BST-25	1
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1

SIM subscriptions

SOLEM-PL1	SIM 1 year - 10 connections day	SIM-1Y-50M	1
SOLEM-PL2	SIM 1 year - 24 connections day	SIM-1Y-100M	1
SOLEM-PL3	SIM 3 years - 2 connections day	SIM-3Y-5M	1

Technical Data

Solem > LoRa Programmers

> LR-IS - Bluetooth LoRa 230 V



	mm
Hei.	145
Wid.	110 - 160
Dep.	42



DESCRIPTION:

- LoRa/Bluetooth irrigation programmer
- Private and public gardens, sport fields

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Programming by MySolem App
- Protection degree: IP68
- Model: 2, 4, 6 and 9 outputs, 24V AC
- 24V AC master valve or pump relay output
- Rain sensor connection
- Power supply: 230/24V external transformer

Features

- 12 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command

Code	Description	Model	Box
OPG708	LR-IS 2 sectors 24 V	LR-IS2	6
OPG709	LR-IS 4 sectors 24 V	LR-IS4	6
OPG710	LR-IS 6 sectors 24 V	LR-IS6	6
OPG711	LR-IS 9 sectors 24 V	LR-IS9	6
OPG712	LR-IS 12 sectors 24 V	LR-IS12	6

> LR-IP - Bluetooth Wi-Fi LoRa 9 V DC Latch



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION:

- Bluetooth irrigation programmer
- Private and public gardens, sport fields

Application

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Wi-Fi connection by specific interface
- Programming by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 24V AC master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery

Features

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200% or automatic managing by meteo
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 mt

Code	Description	Model	Box
OPG143	LR-IP 1 sector 9 V	LR-IP1	6
OPG144	LR-IP 2 sectors 9 V	LR-IP2	6
OPG145	LR-IP 4 sectors 9 V	LR-IP4	6
OPG146	LR-IP 6 sectors 9 V	LR-IP6	6

Technical Data

Solem > Modules

> LR-FL-1 9 V Meter Counter



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION:

Application

- Module for meter counter reading

- Managing by smartphone or tablet (iOs/Android)

Specifics

- Bluetooth local communication or remote by LoRa radio communication
- Programming by MySolem app

- IP68 protection degree
- 1 input model
- 9V battery power supply

Features

- Settable minimum and maximum threshold
- High flow Alarm (via sms or e-mail)
- System stop when in alarm can be set by user

- Maximum distance: 100 mt

Code	Description	Model	Box
OPG705	Flow meter module - 1 input	LR-FL-1	1

> LR-MS - 4 Sensors 9 V DC Latch



	mm
Hei.	55
Wid.	140
Dep.	90



DESCRIPTION:

Application

- Reading module (digital/analog sensors)

- Managing by smartphone or tablet (iOs/android)

Specifics

- Bluetooth local communication or remote by LoRa radio
- Programming by MySolem app
- Input 1 - 3: dry contact sensors, pulse, an analogic

- propotional voltage 0V-3,5V
- Input 4: PT100 sensor
- 9V DC battery power supply

Features

- Each input is individually settable by app
- Input 1 - 3: moisture sensor, rain sensor, meter counter
- Input 4: temperature sensor (PT100)
- Minimum and maximum flow settable threshold

- High flow alarm (SMS or e-mail)
- System stop when in alarm can be set by user
- Maximum distance: 100 mt

Code	Description	Model	Box
OPG706	Sensors reading module - 4 inputs	LR-MS-4	1

> SENS-UMID Humidity Sensor



DESCRIPTION:

- Soil moisture detecting

- Compatible with LR-MS4 module

- 2 mt connection cable included

Application

Specifics

Features

Code	Description	Model	Box
OPG722	Soil moisture sensor	Sens-humid	1

> SENS-TEMP Temperature Sensor



DESCRIPTION:

- Soil temperature detecting

- Compatible with LR-MS4 module

- 2 mt connection cable included

Application

Specifics

Features

Code	Description	Model	Box
OPG721	Soil temperature sensor	Sens-temp	1

> 9 V Relay



DESCRIPTION:

- Pumps command

- Compatible with 9V DC powered modules

- 9V relays for contactor interface

Application

Specifics

Features

- IP65 box

Code	Description	Model	Box
OPG720	9V pump command relay	9V relay	1