



PRODUCT CATALOG



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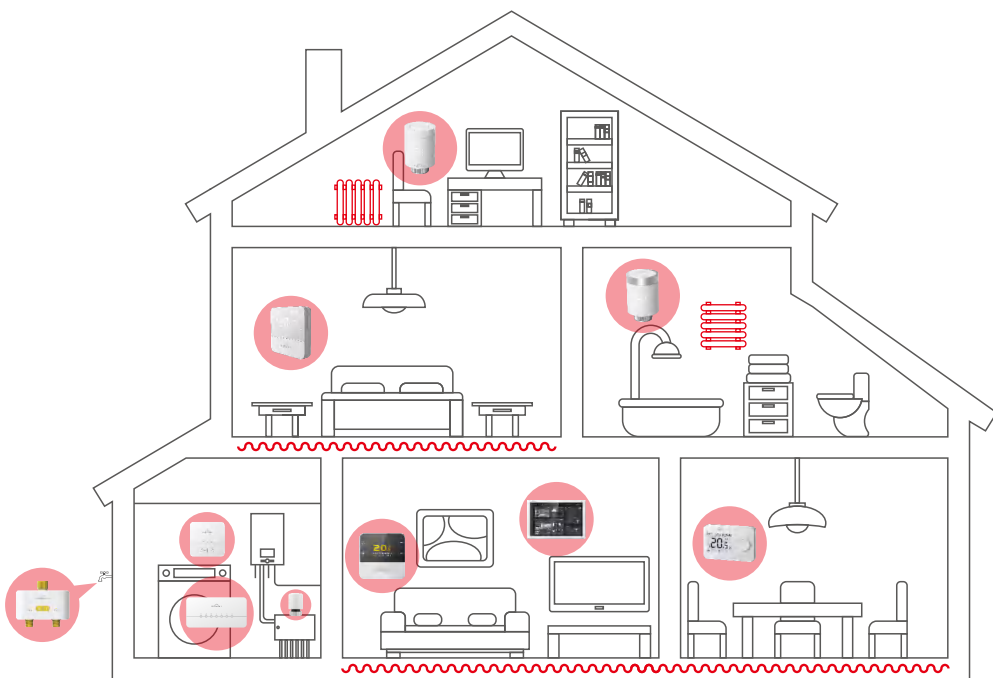
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About AmNestora



AmNestora is a trusted innovator in the HVAC and smart-building sectors. We are dedicated to climate protection, energy saving, carbon reduction, and green environmental protection technology. Meanwhile we are committed to delivering “amora” (love) and comfort to every nest (home) through our smart devices. By focusing on energy savings, efficiency, and sustainable solutions, we align our expertise with a broader mission that supports global development. Our professional R&D capabilities, IOT and AI technologies enable us to offer flexible OEM and ODM solutions tailored to clients’ specific needs.

Amora Comfort Nest



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THERMOSTATS FOR GAS BOILER HEATING

Thermostat Model: AT501

Function

- Work modes: Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



White



Black

Specification

Model	AT 501
Control	Wired
Power Input	2×1.5 V AAA (Alkaline Battery)
Temperature Range	5~40°C
Display	LED
Dimension	88×88×20mm
Operating Temperature	0~55°C
Relay	5A
Certification	CE, RoHS
IP	IP20
Installation	Wall

Thermostat Model: AT511RT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



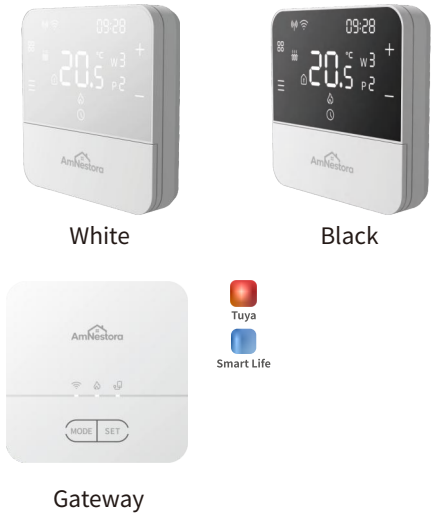
Specification

Model	AT 511	AA 311T
Control	Wireless	Relay or OT
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LED	LED
Dimension	88×88×20mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT511WT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- APP control: Tuya / Smart life
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 511	AA 321T
Control	Wireless	Relay or OT
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LED	LED
Dimension	88×88×20mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT711RT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



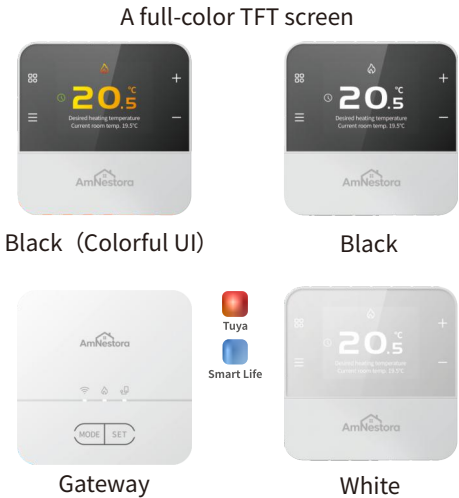
Specification

Model	AT 711	AA 311T
Control	Wireless	Relay or OT
Power Input	230VAC, 50Hz	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	TFT	LED
Dimension	88×88×11mm (26mm)	88×88×11mm (26mm)
Operating Temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall electrical box	Wall

Thermostat Model: AT711WT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- APP control: Tuya / Smart life
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 711	AA 321T
Control	Wireless	Relay or OT
Power input	230VAC, 50Hz	230VAC, 50Hz
Temperature range	5~40°C	—
Display	TFT	LED
Dimension	88×88×11mm (26mm)	88×88×11mm (26mm)
Operating temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall electrical box	Wall

Thermostat Model: AT301

Function

- Work modes: Manual, Standby
- Support: Heating / Cooling control
- Anti-freezing function
- Low battery alert
- Key lock
- Control logic: 2-Point



Specification

Model	AT 301
Control	Wired
Power Input	2 × 1.5 V AAA (Alkaline Battery)
Temperature Range	5~40°C
Display	LCD
Dimension	136×88×20mm
Operating Temperature	0~55°C
Relay	5A
Certification	CE, RoHS
IP	IP20
Installation	Wall

Thermostat Model: AT311RT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Touch key & Knob button
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Receiver

Specification

Model	AT 311	AA 311T
Control	Wireless	Relay or OT
Power Input	2 × 1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LCD	LED
Dimension	136×88×20mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT311WT

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Touch key & Knob button
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 311	AA 321T
Control	Wireless	Relay or OT
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LCD	LED
Dimension	136×88×22mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT211

Function

- Work modes:
Auto, Manual, Standby
- Schedules: 5+2day, 7day, 1day
- Support: Heating control
- Anti-freezing function
- Low battery alert
- Control logic: 2-Point



Specification

Model	AT 211	AA 311
Control	Wireless	Relay
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LCD	LED
Dimension	86×86×20mm	86×86×20mm
Operating Temperature	0~55°C	0~55°C
Relay	—	1A / 3A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall	Wall

Thermostat Model: AT101

Function

- Work modes: Manual
- Support: Heating control
- Anti-freezing function
- Low battery alert
- Control logic: 2-Point



Specification

Model	AT 101
Control	Relay
Power Input	2×1.5 V AAA
Temperature Range	5~40°C
Display	LCD
Dimension	86×86×20mm
Operating Temperature	0~55°C
Relay	1A
Certification	CE, RoHS
Communication	Wired
IP	IP20
Installation	Wall



**THERMOSTATS FOR
UNDERFLOOR HEATING »**

Thermostat Model: AT301

Function

- Work modes: Manual, Standby
- Support: Heating / Cooling control
- Anti-freezing function
- Low battery alert
- Key lock
- Control logic: 2-Point



Specification

Model	AT 301
Control	Wired
Power Input	2×1.5 V AAA (Alkaline Battery)
Temperature Range	5~40°C
Display	LCD
Dimension	136×88×22mm
Operating Temperature	0~55°C
Relay	5A
Certification	CE, RoHS
IP	IP20
Installation	Wall

Thermostat Model: AT501

Function

- Work modes: Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



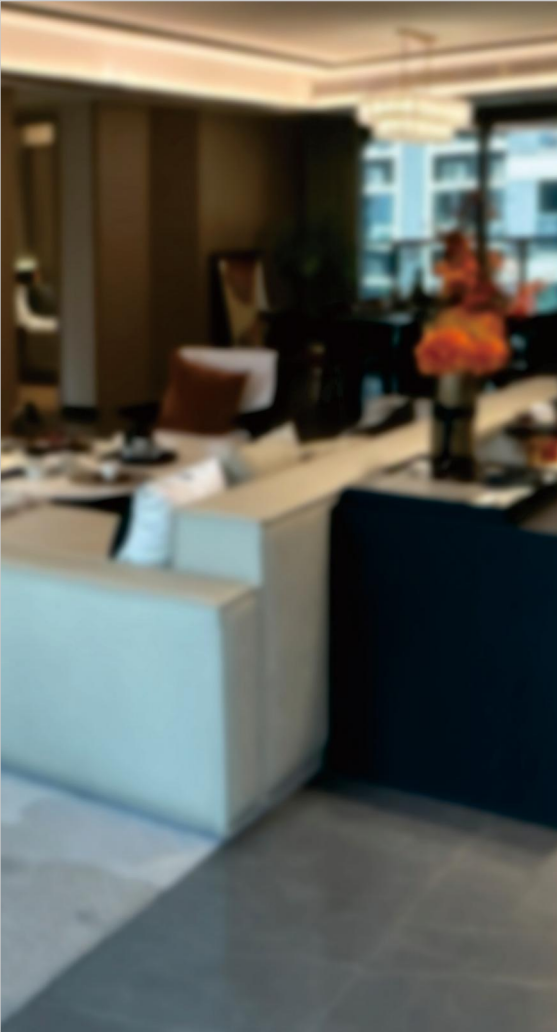
White



Black

Specification

Model	AT 501
Control	Wired
Power Input	2×1.5 V AAA (Alkaline Battery)
Temperature Range	5~40°C
Display	LED
Dimension	88×88×20mm
Operating Temperature	0~55°C
Relay	5A
Certification	CE, RoHS
IP	IP20
Installation	Wall



THERMOSTATS FOR ELECTRIC HEATING

Thermostat Model: AT511R

Function

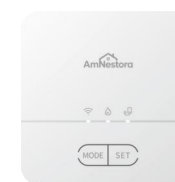
- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



White



Black



Receiver

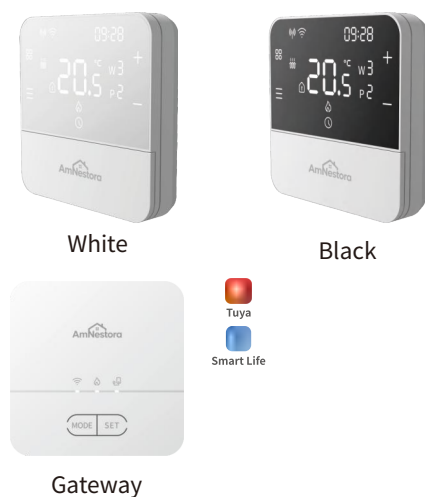
Specification

Model	AT 511	AA 311
Control	Wireless	Relay
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LED	LED
Dimension	88×88×20mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	16A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT511W

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- APP control: Tuya / Smart life
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 511	AA 321
Control	Wireless	Relay
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LED	LED
Dimension	88×88×20mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	16A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT311R

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Touch key & Knob button
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 311	AA 311
Control	Wireless	Relay
Power Input	2×1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LCD	LED
Dimension	136×88×22mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	16A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall, Table	Wall

Thermostat Model: AT311W

Function

- Work modes:
Auto, Manual, Standby, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- Touch key & Knob button
- Anti-freezing function
- Window opening detection
- Delay function
- Boost heating
- Low battery alert
- Key lock
- Control logic: 2-Point, OS, TPI



Specification

Model	AT 311	AA 321
Control	Wireless	Relay
Power Input	2 × 1.5 V AAA	230VAC, 50Hz
Temperature Range	5~40°C	—
Display	LCD	LED
Dimension	136 × 88 × 22mm	88 × 88 × 22mm
Operating Temperature	0~55°C	0~55°C
Relay	—	16A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall, Table	Wall

RECEIVER & GATEWAY >>

Receiver Model: AA311, AA 311T



Receiver
AA 311 (16A)



Receiver
AA 311T (5A&OT)

Specification

Model	AA 311	AA 311T
Control	Relay	Relay or OT
Power Input	230VAC, 50Hz	230VAC, 50Hz
Display	LED	LED
Dimension	88×88×22mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	16A	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz	RF 868MHz
IP	IP20	IP20
Installation	Wall	Wall

Gateway Model: AA321, AA321T



RF Gateway
AA 321 (16A)



Receiver
AA 321T (5A&OT)

Specification

Model	AA 321	AA 321T
Control	Relay	Relay or OT
Power Input	230VAC, 50Hz	230VAC, 50Hz
Display	LED	LED
Dimension	88×88×22mm	88×88×22mm
Operating Temperature	0~55°C	0~55°C
Relay	16A	5A
Certification	CE, RoHS	CE, RoHS
Communication	RF 868MHz, Wi-Fi 2.4GHz	RF 868MHz, Wi-Fi 2.4GHz
IP	IP20	IP20
Installation	Wall	Wall



CENTRAL CONTROL OF UNDERFLOOR HEATING

Wired central control box Model: AM301-4



Function

- Control terminal unit: Actuator, Circulating pump, Boiler
- Control 4 independent zones
- Wired wiring to the thermostat
- Delayed startup function

Specification

Model	AM 301-4
Control	Wired
Power Input	230VAC, 50Hz
Display	LED
Dimension	165×88×45mm
Operating Temperature	0~55°C
Relay	5A
Certification	CE, RoHS
IP	IP20
Installation	Installation rail, Wall

Wireless central control box Model: AM301, AM311



Function

- Control terminal unit: Actuator, Circulating pump, Boiler
- Control 6 or 8 independent zones
- Wired or wireless connection to the thermostat
- Delayed startup function

Specification

Model	AM301-6 / AM301-8	AM 311-6 / AM311-8
Control	Wired, Relay	Wireless, Relay
Power input	230VAC, 50Hz	230VAC, 50Hz
Display	LED	LED
Dimension	220×88×45mm	220×88×45mm
Operating temperature	0~55°C	0~55°C
Relay	5A	5A
Certification	CE, RoHS	CE, RoHS
Communication	—	RF 868MHz, 100m in open area
IP	IP20	IP20
Installation	Installation rail, Wall	Installation rail, Wall

Electric heating actuator Model: AE 101, AE 102



AE 101 NC



AE 102 NO

Specification

Model	AE 101	AE 102
Control	NC	NO
Power Input	230VAC, 50Hz	230VAC, 50Hz
Stroke	4mm	4mm
Power Dissipation	2W	2W
Thrust	110N	110N
Certification	CE, RoHS	CE, RoHS
IP	IP54	IP54
Installation	M30×1.5mm	M30×1.5mm



SMART THERMOSTATIC RADIATOR VALVES FOR RADIATOR HEATING

Thermostat radiator valve Model: AR331

Function

- Work modes: Auto, Manual, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- APP control: Tuya / Smart life
- Four directions display
- Anti-freezing function
- Valve Anti-sticking
- Window opening detection
- Comfortable temperature, ECO temperature
- Low battery alert
- Key lock
- Valve adapter: RA/RAV/RAVL/M28/CAL/GLA



Specification

Model	AR 331
PowerInput	2×1.5 V AA (Alkaline Battery)
Temperature Range	5~40°C
Display	LED, Four directions
Dimension	φ55×89mm
Operating Temperature	0~55°C
Certification	CE, RoHS
Communication	Zigbee 3.0 (2.4GHz), 100m in open area
IP	IP20
Installation	Radiator inlet

Thermostat radiator valve Model: AR332

Function

- Work modes: Auto, Manual, Holiday
- Schedules: 5+2day, 7day, 1day
- Support: Heating / Cooling control
- APP control: Tuya / Smart life
- Four directions display
- Anti-freezing function
- Valve Anti-sticking
- Window opening detection
- Comfortable temperature, ECO temperature
- Low battery alert
- Key lock
- Valve adapter: RA/RAV/RAVL/M28/CAL/GLA



Specification

Model	AR 332
Power Input	2×1.5 V AA (Alkaline Battery)
Temperature Range	5~40°C
Display	LED, Four directions
Dimension	φ55×89mm
Operating Temperature	0~55°C
Certification	CE, RoHS
Communication	Zigbee 3.0 (2.4GHz), 100m in open area
IP	IP20
Installation	Radiator inlet

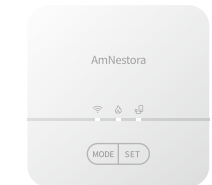


Amora Comfort Nest



SMART WATER TIMERS

2 Zone Smart Water Timer Model: MS511W



Wi-Fi Gateway
(Model: AA312)

Function

- Flexible Irrigation
- Smart Weather forecast
- Volume-Based Watering
- Rain Delay
- Historical Records
- Watering Calendar
- APP: Tuya or Smart life
- Voice Control: Alexa & Google Assistant

Timer Only: This smart water timer cannot operate independently and must be paired with a compatible Wi-Fi Gateway (Model: AA312).

The Wi-Fi Gateway can be purchased separately, or you can integrate the timer into your existing smart irrigation system that includes a compatible Wi-Fi Gateway.

Specification

Model	MS 511	AA 312
Communication	RF 868MHz	RF 868MHz, Wi-Fi 2.4GHz
Power Input	4×1.5 V AA	230VAC, 50Hz
Display	LED	LED
Dimension	120×140×60mm	88×88×22mm
Operating Temperature	3~50°C	0~55°C
Certification	CE, RoHS, FCC	CE, RoHS, FCC
IP	IP 65	IP20
Pressure Operating Rang	5~120PSI	—
Water Inlet	BSP(EU) for 3/4" NH(USA) for 3/4" faucets	—
Water Outlet	For 3/4" standard garden hose threads	—



Smart central control screen Model: MT 8321



White



Black

Function & Specification

Model	MT 8321
CPU	Quad-core 64-bit Cortex-A53, Maximum main frequency: 1.6GHz
ROM	8GB
RAM	1GB
Display Screen	10.1 inch LCD, 1280×800
Microphone	Four arrays
Speaker	Stereo
Environmental Light	Support
Proximity Sensor	Support, Inductive distance ≥ 30 cm
Wi-Fi	802.11b/g/n 2.4GHz
Bluetooth	4.2 Dual Modes
RS 485	1 Gang
Relay	2 Gang
Power Input	230VAC, 50Hz
Installation	Wall implant

SMART DISPLAY



SENSOR & SMART SOCKET

Infrared sensor Model: AS300 AS301



AS300

Specification

Model	AS 300
Function	On/Off control, Power monitoring, Usage history (1 year), Overload & overheat protection
Power Input	100~240VAC, 50/60Hz, Max 16A
Dimension	53×53×86 mm
Connection	Wi-Fi 2.4GHz+BLE(Up to 100m)
Certification	CE, RoHS
IP	IP 20



AS301

Specification

Model	AS 301
Power Input	85~265VAC 50Hz or 85~265VDC
Load	≤40W (LED), ≤200W (Incandescent Lamp)
Dimension	φ34.2× H38.3 mm
Startup Illuminance	≤25Lux
Sensing Distance	6~8 m
Sensing Angle	≤120°
Delay Time	5S 15S 30S 45S 60S 1min 5min 10min (Customizable)
Certification	CE, RoHS, FCC
IP	IP 22
Installation	Screw-thread, φ28mm

Sensor Model: AS302 AS303



AS302

Door & Window Contact Sensor

Model	AS 302
Power Input	2×1.5V AAA (Alkaline Battery)
Dimension	75×25×20 mm
Connection	Wi-Fi 2.4GHz+BLE(Up to 100m)
Maximum range	17.78mm (0.7 inches)
Certification	CE, RoHS
IP	IP 20



AS303

Motion sensor

Model	AS 303
Power Input	2×1.5V AAA (Alkaline Battery)
Dimension	70×30×20 mm
Connection	Wi-Fi 2.4GHz
Detection range	128° wide angle, 6-40 feet
Certification	CE, RoHS, FCC
IP	IP 20

Infrared sensor Model: AS304 AS305



AS304

Water Leak Detector

Model	AS 304
Power Input	2×1.5V AAA (Alkaline Battery)
Dimension	75×25×20 mm
Connection	Zigbee 3.0 (2.4GHz)
External probe	93 cm
Certification	CE, RoHS
IP	IP 20



AS305

Presence Senso

Model	AS 305
Power Input	5V DC, 1A
Dimension	58×58×11 mm
Connection	Zigbee 3.0 (2.4GHz)
Sensitivity	1-9 (Default 7)
Wall mount sensor sensing distance	Max 9 m (Default 6 m)
Illuminance sensor	0-2000 LUX
Target detection confirmation time	0.1S
Target disappearance delay time	2-1500s (Default 90S)
Certification	CE, RoHS
IP	IP 20