



# TECHNICAL DATA SHEET

12 - 12 - 2013

TSDT DOC115463 000 Electrical consumption sensor io

<b>Designation</b>	<b>Pilot wire interface</b>
<b>Reference</b>	1822451 – Electrical sensor – electrical heating – Pro 2401224 – Electrical sensor – electrical heating – DIY 1822455 – Electrical sensor – Heating pump
<b>Range</b>	<b>Electrical consumption sensor</b>

## FUNCTIONS

- Electrical consumption sensor
  - o Total consumption of the house
  - o Consumption of electrical heating systems
  - o Consumption of electrical hot water production
  - o Consumption of socket network
- Control 2 zones of electrical heating with pilot wire
- Force hot water production

## TECHNICAL SPECIFICATIONS

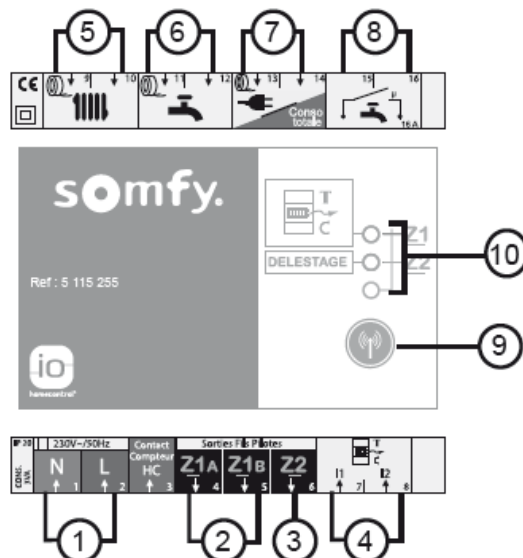
Product	Color	Light grey
	Size	DIN rail 35 mm – 4 modules
	Protection factor against solid & splashproof	IP 20
Power supply	Voltage	180-265V – 3VA
Hot water heating		Max 3300 W
Heating	2 zones for pilot wire heating (only for the references 1822451 – 2401224)	
Radio frequency		868.25MHz/868.95MHz /869.85MHz
Radiated power		+10 dBm
Modulation type		FSK dev. +/- 19.2KHz
Protocol		io homecontrol
Antenna		Integrated
Temperature range	Working	0°C / +40°C
Weight	Product	150g
	Torus	70g per tore
	Total	360g
Electrical meter compatibilities	French electronic meter with TIC Mechanical meter (only for the references 1822451 – 2401224)	

## COMPATIBILITIES

- TaHoma

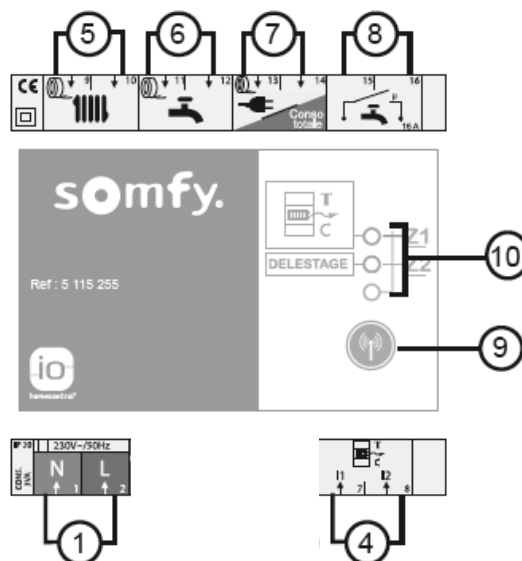
## DESCRIPTION – electrical heating

- 1 – Power supply 230 V
- 2 – Pilot wire zone 1  
A and B used for delesting
- 3 – Pilot wire zone 2
- 4 – Tele info from EDF meter (TIC - French market)
- 5 – Input for Torus 1 (heating)
- 6 – Input for Torus 2 (Domestic hot Water)
- 7 – Input for Torus 3  
Socket network if TIC is connected  
Total consumption is TIC is not connected
- 8 – Output for Hot water tank
- 9 – Prog button
- 10 – Information LEDs



## DESCRIPTION – heating pump

- 1 – Power supply 230 V
- 4 – Tele info from EDF meter (TIC - French market)
- 5 – Input for Torus 1 (heating)
- 6 – Input for Torus 2 (Domestic hot Water)
- 7 – Input for Torus 3 (Socket network)
- 8 – Output for Hot water tank
- 9 – Prog button
- 10 – Information LEDs



## INSTALLATION

- Connect the electrical consumption, sensor regarding the installation guide
- To program the product (sensor – heating actuator – hot water tank)
- Click on "CONFIGURATION" menu
- Click on "io products"
- Click on "add"
- Follow the instructions displayed on the screen for sensors, actuators and hot water tank

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