TECHNICAL DATA SHEET

March 2020	**TDST DOC102132 004**

Designation	**RS485 SETTING TOOL**
Reference	**9017142C**

FUNCTIONS

The **RS485 SETTING TOOL** is a handy tool developed to ease settings of Somfy RS485 products.
For an easy and optimum ergonomics, the tool has a display (2 lines of 16 characters) and 9 buttons.
The wiring with products to set is realized with an RJ45 connector.
The tool is an RS485 master type product; it communicates through the Somfy Digital Network protocol (SDN).
To be compatible with future RS485 Somfy products (slaves), the tool's software can be uploaded through the RS485 connection, to implement new profiles.
Settings of slaves have to be done POINT TO POINT (it is not a network tool).
According to the type of the discovered node, only functions corresponding to this node type are displayed. In case of wrong actions, error messages are displayed to warn the tool's user.
A backlighting of the display can be activated in case of dark environment.
In the parameters section of the tool can be read the following information:
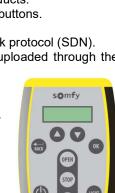- Battery power level
- Setting Tool NodeID
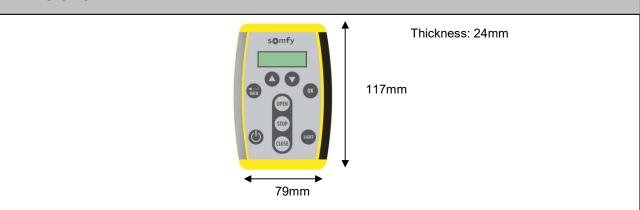- Boot Software Revision
- Software update

TECHNICAL SPECIFICATIONS

Box	Material	ABS with black soft plastic grip
	Colors	Black and Yellow
	Size	117 x 79 x 24 mm
	Protection factor against solid & water intrusion	IP30
Battery	Voltage	9V DC
	Type	6LR61 alkaline
	Number	x 1
	Autonomy	30h in use 2 years in StandBy
Network communication	Protocol	Somfy Digital Network (SDN)
	Physical layer	RS485
Temperature range	Storing	-30°C / + 80°C
	Working	-10°C / + 60 °C
Connection	RS485	1 x RJ45 Female connector Maximum length 10m
Weight		225 G
Marking		CE

DIMENSIONS

Thickness: 24mm

117mm

79mm

RS485 Somfy Products Compatibility

Products	9017142B003 Soft 07	9017142B003 Soft 10*	9017142C
Sonesse 30 RS485	X	X	X
Sonesse 40 AC RS485			X
Actuo 40 AC RS485			X
LT50 AC RS485	X	X	X
Sonesse 50 AC RS485	X	X	X
Sonesse Ultra 50 AC RS485	X	X	X
Sonesse Ultra 50 DC RS485	X	X	X
Glydea		X	X
RS485 RTS Transmitter	X	X	X
RS485 4 ILT Interface	X		

* Update Setting tool 9017142B003 with Soft <5102155_A10_SettingTool.bpk>
Use Config tool. All is available on Sharepoint :
https://somfy.sharepoint.com/sites/BS1/SDNPROTOCOL/Firmware/Forms/AllItems.aspx

WIRING

RJ45 Female Connector:

a: Ground		e: Not used	
b: Ground		f: Not used	
c: Not used		g: RS485 -	
d: Not used		h: RS485 +	

a b c d e f g h