



Assembly/Installation/Operating Instructions

DecoFlex Keypad Instructions

Applies to the following keypads:

DECOFLEX WIREFREE™ RTS (Ref: 1810813 +others)
DECOFLEX™ DIGITAL WALL SWITCHES SDN (Ref: 1811253 +others)
DECOFLEX™ DIGITAL WALL SWITCHES SDN GROUP CONTROL (Ref: 1811749, 1811750)
DECOFLEX™ DIGITAL WALL SWITCHES ANIMEO® IP (Ref: 1811289 +others)
DECOFLEX DRY CONTACT KEYPAD for IGC 4n1 Motor Controller (Ref: 1811402)

ASSEMBLY

ASSEMBLE MULTIPLE BUTTON SWITCHES

- 1 Begin with a standard (assembled) 1 or 5 control button DecoFlex switch. Using a small flat blade screw driver, carefully separate the SWITCH BASE ASSEMBLY from the FACEPLATE (as shown in figure 1).
- 2 Add or remove CONTROL BUTTONS (as required) from the SWITCH BASE ASSEMBLY (as shown in figure 2). Be certain the SWITCH BASE ASSEMBLY remains intact.
- 3 Attach new multiple button face plate (as shown in figure 3 & 4).



Figure 1.



Figure 2.

5 Channel DecoFlex Wall Switch (Exploded view)

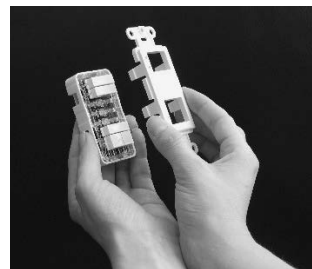
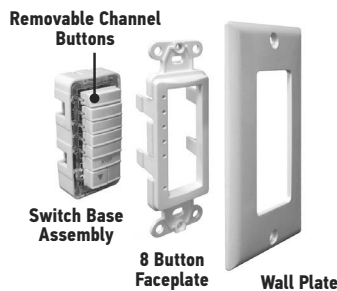


Figure 3.

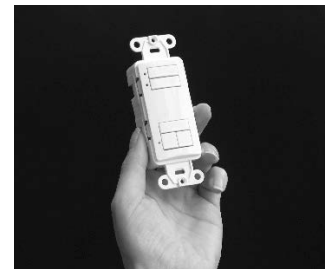


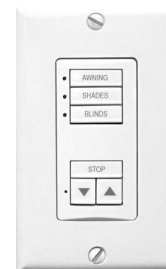
Figure 4.

REPLACE STANDARD CONTROL BUTTONS

- 1 Using a small flat blade screw driver, carefully separate the SWITCH BASE ASSEMBLY from the FACEPLATE (as shown in figure 1).
- 2 Replace standard (blank) or temporarily labeled CONTROL BUTTON(S) with new engraved CONTROL BUTTON(S).
- 3 Attach new CONTROL BUTTON FACE PLATE (as shown in figure 3 & 4).



5 Button
Switch Assembly



6 Button
Switch Assembly



7 Button
Switch Assembly

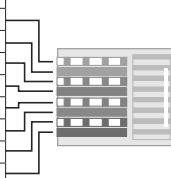
POWERING DECOFLEX KEYPADS

SDN, animeo IP and Dry Contact

Keypad RJ45 Pinout:

CAT-5e or higher TIA-568B standard with RJ-45			
Pin #	Color	SDN & animeo IP Function	Dry Contact Function
1	Orange White	SDN RS485 (+)	IP1
2	Orange	SDN RS485 (-)	IP2
3	Green White	Reserved	IP3
4	Blue	Power 24v DC (+)	12V+
5	Blue White	Power 24v DC (-)	N/A
6	Green	Reserved	Down
7	Brown White	SDN RS485 Ground	Up
8	Brown	SDN RS485 Ground	Ground

SDN Cable Pinout: (RJ45 connector) ANSI/TIA/EIA 568-B Standard



RTS

Battery Replacement: (RTS only)

The DecoFlex WireFree™ RTS switch is designed to provide years of maintenance-free performance. Should the battery become discharged, the LED indicator lights will no longer function when the channel button is selected or an up, stop or down command is activated. As a result, the radio signal will be reduced or not communicated to the RTS receiver or motor.

The battery can be easily replaced by exposing the SWITCH BASE ASSEMBLY board of the DecoFlex WireFree™ switch. Simply slide the battery out of its holder and replace with a new 3V Lithium battery (type 2450) maintaining the correct polarity.

NOTE: Batteries should be disposed of properly according to local regulations.



KEYPAD PROGRAMMING

Download and install Programming Guides and Software from this link.

<https://www.somfypro.com/services-support>

RTS: Follow our RTS Pocket Programming Guide to setup DecoFlex RTS keypads

Dry Contact: Arrange switch for control in IGC 4n1 Motor Controller

*Before installing keypads all motors must be wired to the controller, have limits set and be working properly.

SDN: The DecoFlex Digital Keypads for SDN have programmable buttons which can be configured to control any motor or group using the SDN Keypad Programming Guide and SDN Keypad Configuration Software. Once a keypad is fully configured, all of the settings can be exported to a file for backup.

animeo® IP: Keypads are configured within the animeo® IP commissioning software after installation on the SDN bus. Use animeo® IP Visual Configuration software.

INSTALLATION

Included is a special SOMFY low voltage device mounting bracket which attaches to drywall and eliminates the need for an electrical box. The bracket can be used in two mounting type configurations:

- 1 The bracket is specifically designed for mounting the DecoFlex range wall switches to an adjacent (pre-existing) Decora-style light switch (see below). This unique mounting bracket allows the necessary spacing for 2 adjacent switches and a new "Double Gang" (2 Gang) wall plate to be installed (see photo 8) resulting in an aesthetically pleasing professional installation.

NOTE: When following configuration 1, the mounting bracket is not designed to be used in conjunction with "old-work" or retrofit electrical boxes. (Please check local codes to determine if an electrical box is required for your installation.) For increased radio performance, Somfy recommends the use of non-metallic electrical enclosures.

- 2 The bracket can also be used for individual or "stand-alone" (1 switch) mounting configurations.

Tools required for installation:

Screw drivers (phillips and bladed), dry-wall saw, wall stud sensor, non-marring tape and pencil

- 1 Locate an existing light switch and remove wall plate exposing electrical box. Somfy recommends shutting off power to the exposed electrical box prior to installation.
NOTE: If not installing keypad with an existing switch, skip to step 2.
- 2 Using a stud sensor, locate the stud nearest to exposed electrical box. Then mark (for reference) with removable tape or pencil.
- 3 Place the flat side of mounting bracket (included) against the wall and align the thin side over the outside edge of the existing electrical box (**opposite the stud side**). Center the bracket to align the mounting screw height with existing switch, then trace the inside shape of the bracket on wall using a pencil or thin marker.
- 4 Using a dry-wall saw (or similar) begin to cut the drywall along the traced outline. Do not cut hole larger than outline as this may result in a loose fitting bracket.
**For greater accuracy please refer to the recommended hole dimensions on reverse page.*
- 5 Insert bracket (as shown) into hole, keeping the thin side closest to the edge of the existing switch box.
- 6 Carefully bend bracket tabs 90 degrees behind the dry-wall to ensure a tight secure fit.
- 7 Position the DecoFlex switch into mounting bracket aligning the screw holes. Secure switch to mounting bracket with screws (provided).
- 8 Attach a new (2-gang) or double-gang Decora-style wall plate over both switches to complete installation.

*Hole dimensions for (Step 4) mounting bracket (1 5/8" W x 3 7/16" L)

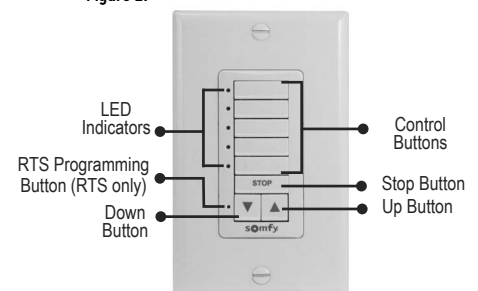
OPERATION

- 1 Select the CONTROL BUTTON(s) programmed to a specific window covering(s). The adjacent LEDs will illuminate to indicate the CONTROL BUTTON selected.
- 2 To raise the window covering(s), press the **UP** button. To lower the window covering(s), press the **DOWN** button.
- 3 To stop the window covering(s) at any time, simply press the **STOP** button (see figure 2).
- 4 For RTS and SDN Keypads programmed to use group function, select a control button followed by an action (default: Up, Stop and Down).

For detailed product operation information, refer to the product programming instructions.

NOTE: Keypads require programming in order to operate as intended.

Figure 2.



SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

FCC warning statement for FCC ID: DWNDECOFLEX2 IC: 12049A-DECOFLEX2

- This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This

transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF RADIATION EXPOSURE STATEMENT: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body.

ISED WARNING STATEMENTS: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

AVERTISSEMENTS DE L'ISED : cet équipement est conforme aux limitations prévues par le document RSS-102 de l'IC concernant l'exposition aux radiofréquences dans le cadre d'un environnement d'accès libre. Cet

appareil doit être installé et utilisé en respectant une distance minimale de 20 cm entre l'émetteur et toute partie de votre corps.

Cet appareil est conforme aux normes d'exemption de licence RSS d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférence ; et (2) cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de celui-ci.