Overview:

The DecoFlex Digital Keypad for animeo® IP is an intelligent control device that provides a hardwired, in-wall user interface for a single zone within the animeo IP total solar management system. The Keypad provides the user a familiar way to adjust their environment for personal comfort without affecting the overall efficiency of the building. However, using advanced logic, animeo IP's energy efficient "Eco-Mode" settings can override user-initiated Keypad actions after a configurable time interval. During critical times of day, Keypads can be overridden entirely by animeo IP automated functions, ensuring the most efficient building operation.

The Keypad can be located anywhere on the Somfy Digital Network, communicating and receiving power with a single SDN connection. Commissioning Keypads is simplified using the animeo IP keypad discovery wizard featuring automatic location and address discovery with a single button press. Once discovered, the Keypad is programmed using intuitive click-and-drag actions for control over entire facades, groups or single motors.

White: 6 Button 1811288
Black: 6 Button 1811328
Ivory: 6 Button 1811332
Almond: 6 Button 1811330

White: 8 Button 1811289
Black: 8 Button 1811329
Ivory: 8 Button 1811333
Almond: 8 Button 1811331

Available in both 6 button and 8 button configurations, the DecoFlex Digital Keypad for animeo IP also includes 8 dry contact inputs on the reverse side of the keypad, regardless of the number of buttons on the front. Each of these inputs is mapped to a corresponding front button. All contacts, even those not associated to a specific front button, are programmed to output animeo IP commands for the control of motors on the network.

Features Summary:

- Provides user interface for animeo IP system to control motors individually, by group, facade, or an entire building
- Auto-discoverable address and location
- Configurable button functionality presets
- Interchangeable buttons to match selected preset
- Single or multi-gang compatible
- Standard Decora® size
- Includes wall plate and dry contact terminal blocks

Technical Specifications:

- Input: 24V DC
- Power consumption: 10mA supplied by SDN Bus
- Material: Face plates and Buttons: Lexan 945U
- Back housing: Fire retardent grade of ABS-FR 15 Na100
- Mounting: Single gang
- Dimensions: 1 7/16" x 1 1/2" x 4 1/16" (without wall plate)
- Face plate dimensions: Standard Decora
- Operating temperature range: Ambient temperature
- Shipping weight: Actual weight: 0.25 - 0.3 lbs.
- LED: Red - Rear (power) (flashes when powered) Front (status) (flashes when transmitting)
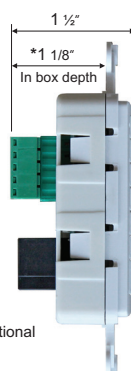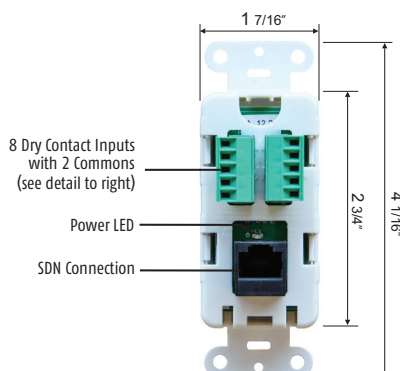
What's in the Box:

- (1) Keypad
- (1) Face plate with screws
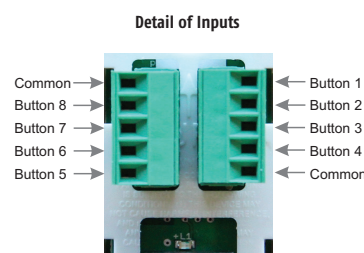- (2) 1" screws

Optional Colors:

- White: 6 Button #1811288
- *Black: 6 Button #1811328
- *Ivory: 6 button #1811332
- *Almond: 6 Button #1811330

- White: 8 Button #1811289
- *Black: 8 Button #1811329
- *Ivory: 8 button #1811333
- *Almond: 8 Button #1811331

NOTE: Special lead times may apply

Connections and Indicators:

1 7/16"
4 1/16"
2 3/4"

8 Dry Contact Inputs with 2 Commons (see detail to right)
Power LED
SDN Connection

1 1/2"
*1 1/8" In box depth

***NOTE:** Always allow an additional 1" of depth for wiring connectors.*

Detail of Inputs

Common → ← Button 1
Button 8 → ← Button 2
Button 7 → ← Button 3
Button 6 → ← Button 4
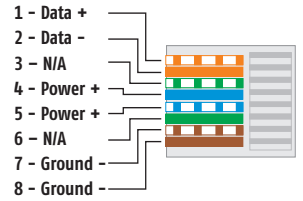Button 5 → ← Common

somfy®

Wiring Best Practice:

The DecoFlex Digital Keypad for animeo IP has a single SDN connection which is utilized for both communication and power. Connecting the Keypad to the SDN bus is easy using any SDN Data block as any free port can support a Keypad. It is recommended that wires con‑ necting the Keypad to the SDN bus are no more than 30 feet.

For Configuration

INTERFACE

CONTROLLER

For Normal Operation

INTERFACE

CONTROLLER

Data Hub

SDN Cable Pinout

1 – Data +
2 – Data –
3 – N/A
4 – Power +
5 – Power +
6 – N/A
7 – Ground –
8 – Ground –

Component Types

Motor	
Bus Distribution	
User Interface	

Wiring Connection Types
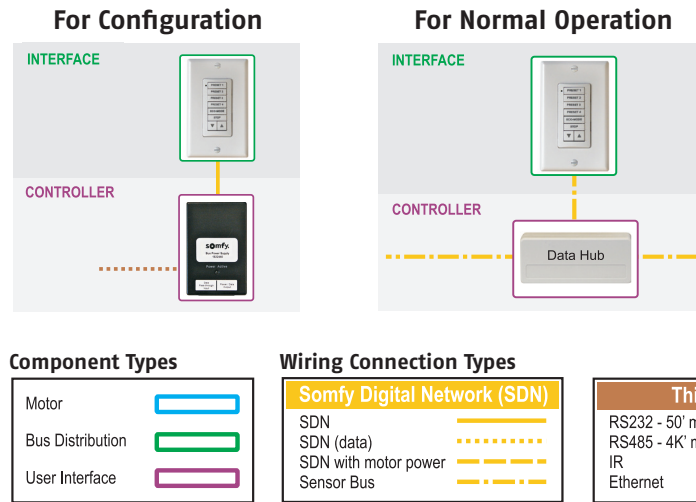
Somfy Digital Network (SDN)		Third Party	
SDN		RS232 - 50' max	
SDN (data)		RS485 - 4K' max	
SDN with motor power		IR	
Sensor Bus		Ethernet	

Button Profiles:

Both six and eight button Keypads can be configured with one of three profiles: "Preset Priority", "Eco Priority" or "No Eco". Each Keypad comes with a default profile – "No Eco" for six button Keypads and "Preset Priority" for eight button keypads – and additional engraved buttons are included for reconfiguration into "Eco Priority" and "No Eco" profiles as well.

6 BUTTON KEYPAD CONFIGURATION OPTIONS

	No Eco (default)	Eco Priority	Preset Priority
Button 1	Move to 25%	Toggle Eco-Mode	Move to 25%
Button 2	Move to 50%	Move to 40%	Move to 50%
Button 3	Move to 75%	Move to 60%	Move to 75%
Button 4	*Dry Contact Integration	*Dry Contact Integration	*Dry Contact Integration
Button 5	*Dry Contact Integration	*Dry Contact Integration	*Dry Contact Integration
Button 6	Stop	Stop	Toggle Eco-Mode
Button 7	Move to Down Limit	Move to Down Limit	Move to Down Limit
Button 8	Move to Up Limit	Move to Up Limit	Move to Up Limit

8 BUTTON KEYPAD CONFIGURATION OPTIONS

	Preset Priority (default)	Eco Priority	No Eco
Button 1	Move to 20%	Toggle Eco-Mode	Open
Button 2	Move to 40%	Move to 20%	Move to 20%
Button 3	Move to 60%	Move to 40%	Move to 40%
Button 4	Move to 80%	Move to 60%	Move to 60%
Button 5	Toggle Eco-Mode	Move to 80%	Move to 80%
Button 6	Stop	Stop	Close
Button 7	Move to Down Limit	Move to Down Limit	Move to Down Limit
Button 8	Move to Up Limit	Move to Up Limit	Move to Up Limit

* For more information, see below

Dry Contact Integration:

Every Keypad has eight dry contact inputs, providing a simple method of integration with third party automation systems. Each input corresponds to a front button on the Keypad; when a dry contact is closed the button is "pushed", sending the same SDN command as if a user were physically pushing a button. Connecting to the Keypad is easy using the included 5 pin termination blocks. Each connection requires two conductors (supporting up to 14 AWG) from the third party system. One attaches to the corresponding button input and the other attaches to the common pin on the corresponding termination block.

NOTE: On six button Keypads, buttons 4 and 5 are available for dry contact integration. All six button Keypads allow third party integration with only one dry contact (Button 4 goes to the upper limit if held and the lower limit if released; button 5 goes to the lower limit if held and the upper limit if released).