

DecoFlex Digital Keypad animeo® IP



Item #: 1811288, 1811289

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™ (SDN), communicating and receiving power with a single SDN connection. Commissioning keypads is simplified using the animeo IP keypad discovery wizard featuring auto-discovery with a single button press. Once discovered, the keypad is programmed using intuitive click-and-drag actions and preconfigured profiles for control over entire facades, groups or single motors.



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 are 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.

SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network™ (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable and suitable for both small and large projects. The same components are used whether an SDN system remains standalone, integrated into third party automation systems, or with Somfy's animeo® IP automated total solar management system.

TECHNICAL SPECIFICATIONS:

- Input: SDN Bus Power (24V DC)
- Power consumption: 1 SDN Power unit, 10mA
- Materials
 - Face plates and buttons: Lexan 945U
 - Back housing: Fire retardent grade of ABS-FR 15 Na100
- Mounting: Single or multiple 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.

FEATURES SUMMARY:

- Provides user interface for animeo IP system to control motors individually, by group, facade, or an entire building
- Auto-discoverable with animeo IP keypad wizard
- 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

WHAT'S IN THE BOX:

- Keypad
- Face plate with screws
- 1" screws

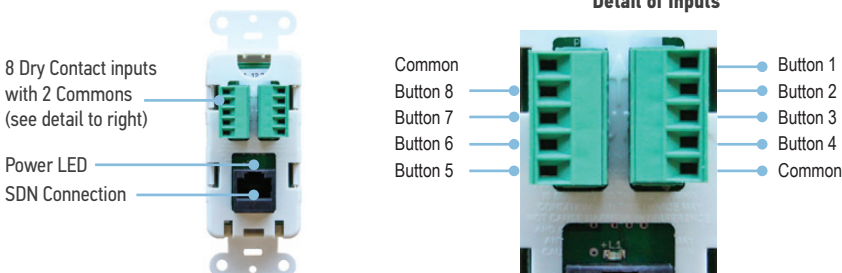
OPTIONAL COLORS:

- White: 6 Button #1811288
- Black*: 6 Button #1811328
- Ivory*: 6 Button #1811332
- White: 8 Button #1811289
- Black*: 8 Button #1811329
- Ivory*: 8 Button #1811333

*Special lead times may apply

CONNECTIONS AND INDICATORS:

- LED: Red - Rear (power) (flashes when powered)
- Front (status) (flashes when transmitting)

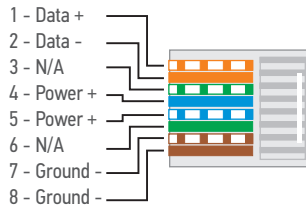


ELEMENT	FUNCTION
1 Buttons	Press for control of individual motors, groups of motors, facades, or the entire building
2 Front LED	Flashing Red - SDN signal transmission
3 Dry Contact Inputs	Triggers programmed Button function
4 Power LED	Blinking Red - SDN power
5 SDN Connection	Power and data connection to SDN bus

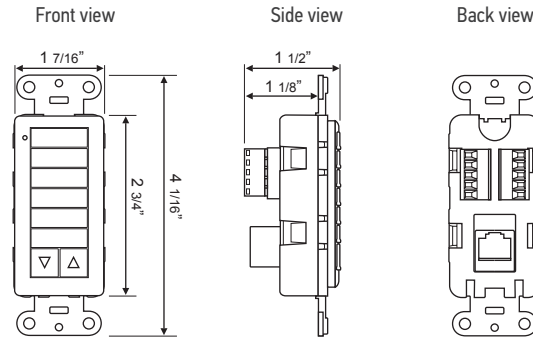
CABLE PINOUTS:

SDN Cable Pinout: (RJ45 connector)

ANSI/TIA/EIA 568-B Standard



DIMENSIONS:



DRY CONTACT INTEGRATION:

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).

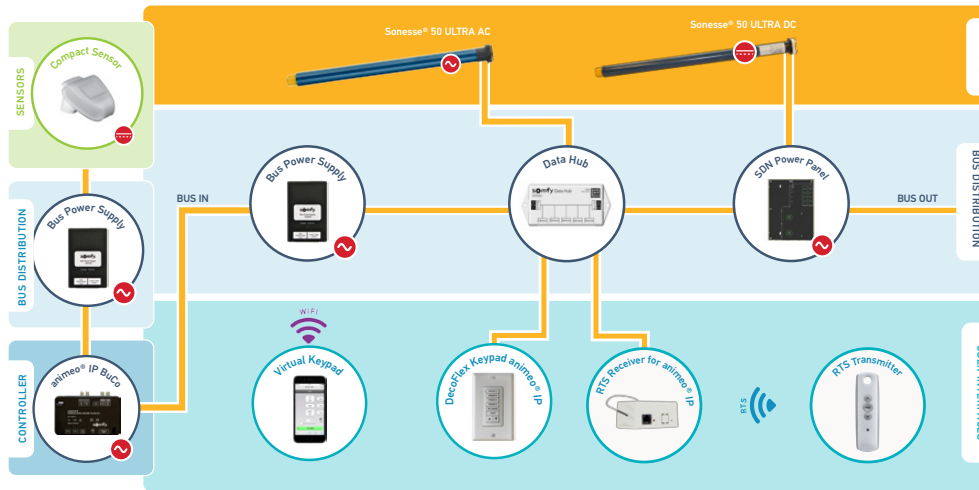
BEST WIRING PRACTICES

The diagrams shown below are meant for illustrative purposes to show the connections from product to product. This device could be used in other configurations than shown below. For specification information on individual products, see related product information. Follow all SDN wiring standards for distance limitations.

The Keypad connects to any SDN Device Port.

To use the dry contact inputs, each connection requires 2 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. All 8 inputs are available regardless of 6 or 8 front-button configuration.

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



BUTTON PROFILES:

Both six and eight button keypads can be configured with preconfigured 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.

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			
	NO ECO (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