

DecoFlex Digital Keypad SDN Group Control



OVERVIEW:

The **DecoFlex Digital Keypad SDN Group Control** is an in-wall wired control for SDN shading systems. Keypads provide users a simple & familiar way of adjusting their shades. Each keypad communicates directly with any SDN motor on the network without the need for a centralized system controller ensuring fast and reliable operation.

Every DecoFlex Digital Keypad uses a priority based command structure which allows multiple keypads to have different levels of authority. For example, a system can be programmed to prioritize life-safety and facility manager control over local user control. DecoFlex Digital Keypad configuration is managed through Somfy's keypad configuration software.

The DecoFlex Digital Keypad is available in both 6 button and 8 button models, and can be ordered with custom engraved buttons. Each keypad also includes 8 dry contact inputs on the reverse, regardless of the number of buttons on the front. All contacts, even those not associated to a specific front button, are programmed to output SDN commands to control groups of intelligent motors on the SDN 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 controls, motorized shades, and sensors to be connected. SDN is scalable and suitable for both small and large scale projects. The same components are used whether an SDN system remains stand-alone or integrated into third party automation systems.

TECHNICAL SPECIFICATIONS:

- Input: SDN Bus Power (24V DC) RJ45 cat5 or cat6
- Power consumption: 1 SDN Power Unit, 10 mA
- Materials
 - Face plates and buttons: Lexan 945U
 - Back housing: Fire retardant 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
- Indoor use only
- Shipping weight: Actual weight: 0.25 - 0.3 lbs.

FEATURES SUMMARY:

- Directly control intelligent motors either by group, facade or an entire building.
- Each button can be programmed with different commands for Press, Release, Hold and Sequential
- Set intermediate position via button press
- Can control up to 5 groups with 8-button keypad (3 groups with 6-button keypad)
- Keypad configurations can be exported and backed up
- 8 dry contact inputs for third party integration
- Custom engraved buttons available
- Standard Decora size
- Includes wall plate and dry contact terminal blocks

AVAILABLE COLOURS:

- White: 6 Button #1811749
- White: 8 Button #1811750

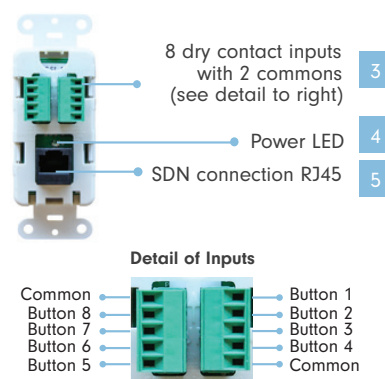
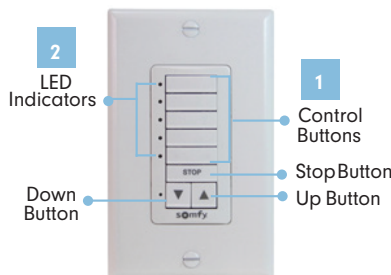
WHAT'S IN THE BOX:

- Keypad
- Wall plate with screws
- 1" screws

CONNECTIONS AND INDICATORS:

- LED: Red - Rear (power) (flashes when powered)
- Front buttons 1-5: Command Status:
 - Solid when group control is selected
 - Flashes when direction button is pressed

ELEMENT	FUNCTION
1 Buttons	Press for motor control. Can be programmed with functions for Press, Release, Hold and Sequential
2 Front LEDs	Group selection Amber - Solid in SDN mode and flashes in group mode
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

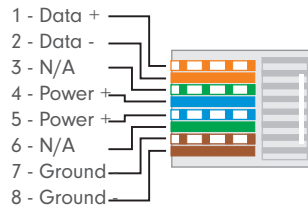


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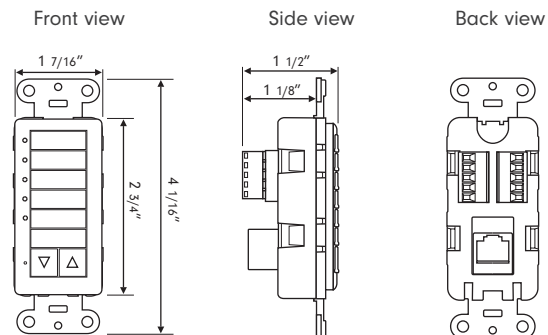


CABLE PINOUTS:

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



DIMENSIONS:



NOTE: allow for strain relief in junction box

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.
- Keypads are configured using the latest version of Somfy keypad configuration software.

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.

