Meljac and Vantage®

Meljac Push Button / Toggle Keypad Integration Guide

Rev. 2 - 6/23

MELJAC
NORTH AMERICA

OVERVIEW

Meljac push-button and toggle keypads can be easily integrated with Vantage lighting control systems. This guide will illustrate how to connect Meljac keypads into a Vantage system.

ABOUT

Meljac toggles require two contact inputs per toggle, and push-buttons require one contact input per button. The preferred device to use is the Vantage DIN Contact Input Station (CIS10-DIN).

- This device communicates on the InFusion WireLink Station Bus and counts as one station on the controller Station Bus. Each CIS10-DIN has 10 contact inputs.
- For additional information about the CIS10-DIN, please refer to the product installation sheet.

ADDING VANTAGE HARDWARE

1. In the Design Center project file, a CIS10-DIN can be found in the Vantage Objects folders, within the “Stations, WireLink” category.

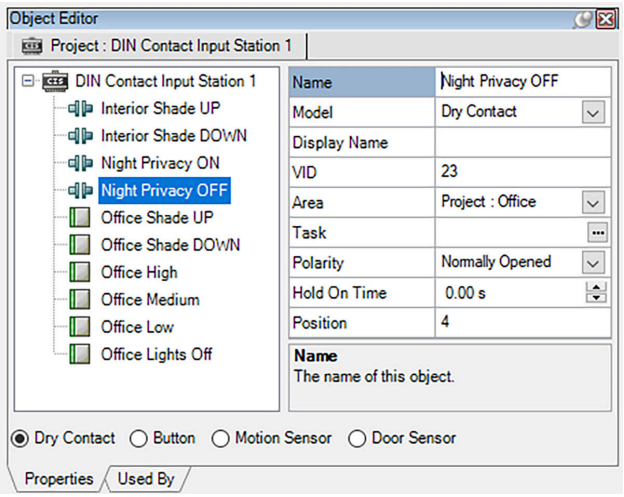
   - Add as many DIN Contact Input Stations as are needed to fulfill the toggle and button requirements.

   - The CIS10-DIN can be assigned to the area/room in which it will be mounted.
2. For each contact input, maintained toggles should be assigned as **Dry Contact**, and momentary toggles and push-buttons should be assigned as **Button** at the bottom of the **Object Editor**.

   - Dry Contacts and Buttons can be assigned to an Area in the project (using Design Center 4.5.0 and later).
3. For each Meljac toggle or button, name the associated Vantage contact input (include Up/Down, Open/Close, or On/Off as applicable)

   - Assign to the appropriate project Area

   - Set Polarity as Normally Opened, and Hold On Time as 0-seconds



PROGRAMMING

For each toggle/button, the Vantage contact input(s) will need to be assigned a Task with appropriate programming.

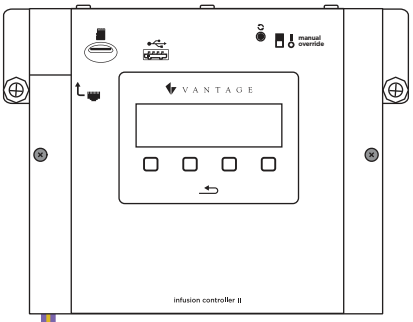
- New Tasks can be added to the contact input by:

  1. Right-clicking on the contact input in the ***Object Editor***

  2. Then select ***Task Wizard*** or ***Edit New Task*** (or Select Task if the programming has already been made in ***Programming View***)
- Task programming can be performed as if these were Vantage keypad buttons, and any additional shade device setup will need to be completed per the shade type and required objects (native Legrand Shading, integration driver, or relay shade objects).
- Input types of Dry Contact will not include hold-triggered procedures and input types of Button will include all available procedures.

EXAMPLE 1: 4 TOGGLE BUTTONS, MOMENTARY UP, DOWN, REST AT CENTER

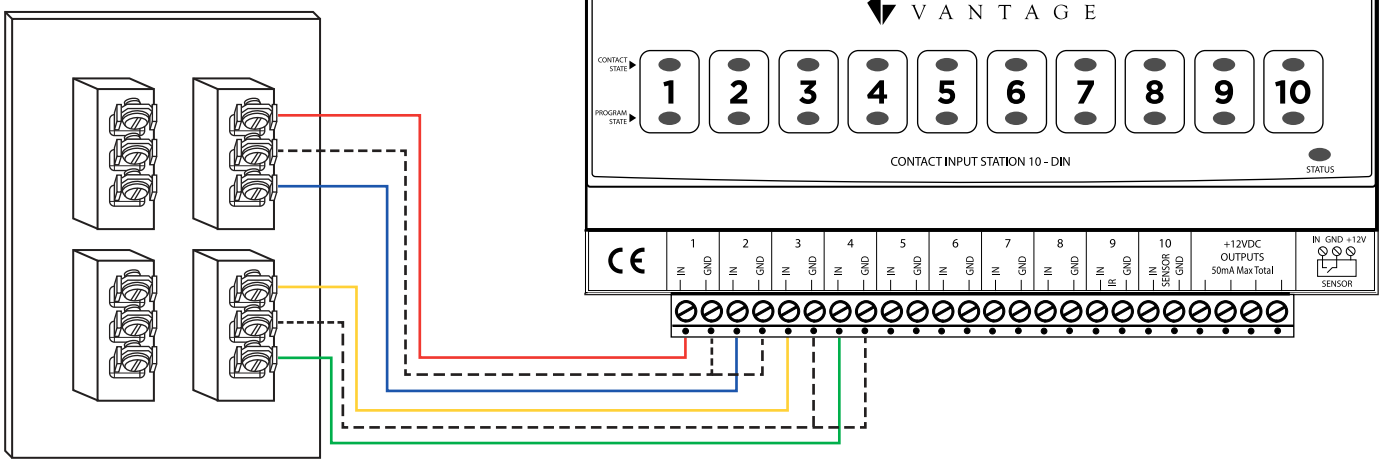
INPUT	FUNCTION
IN 1	Shade UP
IN 2	Shade DOWN
IN 3	Lights ON
IN 4	Lights OFF
IN 5	
IN 6	
IN 7	
IN8	



STATION BUS WIRE TO CONTROLLER

2C, 16AWG / 1.31mm2, twisted, non-shielded, <30pF per foot. Separate a minimum of 12" (30.5cm) from other parallel communication and/or high-voltage runs.

WIRE RECOMMENDATION:
Contact wire runs should be limited to 250 feet (76.2 meters) for each wire run using a minimum of 20AWG gauge wire. All connections use 4.4 inch pound torque. Stranded wire recommended.



EXAMPLE 2: 8 MOMENTARY PUSH BUTTONS

INPUT	FUNCTION
IN 1	Shade UP
IN 2	Shade DOWN
IN 3	Lights OFF
IN 4	
IN 5	
IN 6	
IN 7	
IN8	

WIRE RECOMMENDATION:
Contact wire runs should be limited to 250 feet (76.2 meters) for each wire run using a minimum of 20AWG gauge wire. All connections use 4.4 inch pound torque. Stranded wire recommended.