<https://daktronics.lightning.force.com/lightning/r/Knowledge__kav/ka0Vu00000026NtIAI/view>

Florida Dot, Site Configuration, VF-2420 Over Height Detector(OVD) and Binary Switch

Topic

* Onsite connections VS Contract Site Configuration :
  + Site Configuration Operation related to the following contracts : C30713, C30977, C32343

Environment

* On-site
  + Input 1(OVD1) = Plays Changeable Message2(by default)
  + Input 2 (OVD2)= Plays Changeable Message3(by default)
  + Input 3 (Binary Switch) = Plays message intended to play with Binary Switch
* Configuration
  + The configuration is intended to have the Binary switch act as an Over Height Detector.
  + The Over Height Detectors are configured as a binary switch with two inputs (Input 1 and 2).
  + Following the site configuration enables the binary switch to not only override any signal coming from the OVD1 and OVD2 but allows the message to disable(blank) when disengaging the Binary Switch.

Steps

Following the Contract Site Configuration :

* ADD Over Height Detector

1. Log into Sign 1
2. Select Configuration
3. Select Peripheral Configuration
4. Select Add Peripherals
5. Select Advanced Setup
6. Add Over Height Detector (option2)
7. Select VIP 1
8. Enter 3 for Control Pin, then press Enter.
9. Select No, Inverted
10. Select Changeable to pick what message to run (the number you select corresponds the message slot)

* ADD Switch (Binary)

1. Log into Sign 1
2. Select Configuration
3. Select Peripheral Configuration
4. Select Add Peripherals
5. Select Advanced Setup
6. Select Add Switch
7. Select Binary
8. Select VIP 1
9. Enter 1 for Control Pin, then press Enter.
10. Select the Number of Inputs, In this case 2 for OVD1 and OVD2
11. press Enter.
12. Select No Activation Input.
13. Select No, Momentary Activation.
14. Activating OVD1 (pins 1 & 2) on J2 Digital I/O port on the back of the VFC will activate Message Slot 2.(By default)
15. Activating OVD2 (Pins 3 & 4) will activate Message Slot 3(By Default)
16. Messages will have to be created in Vanguard and stored in the corresponding controller message slots for activation.

* When using the J2 DC I/O you can short the pins to test your configuration on the VFC.
* This information is subject to change due to customer use or change of operations.