

System Control Configuration

Specification Sheet



About You

Name:	
Company:	
Address:	
City/State/Zip:	
Phone:	

Project Details:

Date:	
Submitted by:	
Project Name:	
Ship to Address:	
Ship to City/State/Zip:	

Please select or advise each option applicable.

1. Main Control Panel Voltage

- 120V 240V

2. Main Control Panel Pushbuttons

- Filtration Wash None

3. Remote Panel

- Yes No

4. Detergent Level Sensor*

- Yes No

5. Preset Wash Clock in Main Panel

- Yes No

* Detergent level sensor will provide (1) input and (1) output.

Input Option/Types

1. Fire Suppression

- Yes No

2. Wash Input Signal

- Momentary None

3. Filtration Input Signal

- Maintain Quantity: _____

- Momentary Quantity: _____

Outputs

1. Make-up Air Output

- Monitoring None

2. Wash Output BMS Signal

- Monitoring None

3. Filtration Output BMS Signal

- Monitoring None

4. Fan Request for Filtration

- Yes No

5. Force Dry/Fire Suppression

- One Two None

Special Instructions:

Signature:

Date:

Notes

Pushbuttons

The main Control Filtration and Wash Pushbutton selection allows the customer to select both options, one option, or no options. Pushbuttons come with indicator lights. If no pushbuttons are required (controlled remotely by others), Wash and Filtration options will come with an indicator light.

Fire Suppression Reset pushbutton (no indicator light) will be on all controls panels when applicable.

Remote Panel

Remote panel will match the Main Control Panel Pushbuttons selections.

Detergent Level Sensor

This is a low level sensor that will provide (1) input and (1) output.

Present Wash Clock

This is a programmable time clock inside the main panel that can be set for automatic wash cycles.

Fire Suppression Input

This is a customer field wired input that will signal to the TRION unit to go into Fire Suppression Mode. In the event fire suppression is activated during the filtration process, the unit will shut down all processes and outputs and activate the Fire Suppression output (if applicable) and Fan Request output if not controlled by others.

Wash Input Signal

This can be a local or remote input that will send a momentary signal to the TRION unit to activate the Wash Mode. Wash Mode length/duration will vary depending on the number of wash sections. Each wash section greater than 1 will add an additional 9 minutes and 30 seconds onto the Wash Mode time. The last stage in Wash Mode is Force Dry Mode, which turns on the single speed exhaust fan for 60 minutes for drying purposes. If a VFD is applicable, then the higher frequency of multiple speed will be activated. This process is pre-programmed by TRION to ensure the safety and proper operation of equipment along with meeting the customer's desired results. Any modification or change request of this process may result in equipment damage or personal injury.

Filtration Input Signal

This can be a local or remote input that will send either a Momentary or Maintain signal to the TRION unit to activate the Filtration Mode. Filtration Mode will continue until interrupted by a higher priority Mode or when Filtration Mode is turned off. If the unit contains both operator functions, the Maintain filtration switch, when activated, will override the functionality of the Momentary filtration button in the program.

Notes

Fire Suppression Reset

In the event the Fire Suppression is activated, the unit will need to be reset to return to normal operation. This is accomplished by holding down the Fire Suppression Reset button, located on the main control panel, for 5 seconds. If not controlled by other, the TRION controlled fan output will shut off to stop the exhaust fan.

Make-up Air Output

TRION will provide the field-rated terminal contact that will close during any exhaust fan mode of operation. The purpose of the make-up air contact is to provide the timing for the customer to bring fresh air into occupied spaces during operation. Any deviation of this process will be controlled by the customer.

Wash Output BMS Signal

TRION will provide field-rated terminal contact(s) that will close when the TRION unit is in Wash Mode. This discrete signal is typically used for monitoring purposes only.

Filtration Output BMS Signal

TRION will provide field-rated terminal contact(s) that will close when the TRION unit is in Filtration Mode. This discrete signal is typically used for monitoring purposes only.

Fan Request for Filtration

TRION will provide field-rated terminal contact(s) that will close when the TRION unit requests the fan to be activated. This is typically used during Filtration Mode, Fire Suppression Mode, and Force Dry during Wash Mode.

Force Dry/Fire Suppression

TRION will provide field-rated terminal contact(s) that will close when the TRION unit requires 100% fan speed during Force Dry in Wash Mode and Fire Suppression Mode. This can be a combined one output or separate outputs. The output(s) is/are required for every VFD application.