* + Switching Valve: Swagelok Model SS-43GXS4-42DCX
  + Electronic Timer: Sestos B3S-2R-24 (24 V input and output)

Timer setting: channel 1: 5sec (switching)

Channel 2: 3:55 (if assuming 4 min Indoor measurement)

Channel 3: 5 sec (switching)

Channel 4：3:55 (if assuming 4 min outdoor measurement）

swagelok

Timer

24 v input

12

11

10

9

6

5

4

3

2

1

10

9

8

7

6

5

4

3

2

1

* + We also use two-way normally closed solenoid pinch valve (Cole-Parmer Model 075P2NC-24-01, Vernon Hills, IL, USA) to connected inline and automatically open for 5 s at 4-min intervals to protect from choking the instrument flows during the switching period.
  + The solenoid pinch valve was control by another Electronic Timer: Sestos B3S-2R-12 (12 V input and output)
* Timer setting: channel 1: 5sec (switching)
* Channel 2: 3:55 (if assuming 4 min Indoor measurement)
* Channel 3: 0
* Channel 4：0

Cole-Parmer

valve

Timer

12 v input

-

+

6

10

9

7

8

12

11

1

2

3

4

5