Installation Materials Required

- 3/8” Nylobrade Tubing (for Chemical pick-up and Dispenser to Washer supply)
- 1/2" Nylobrade Tubing (for Water supply)
- 4-Cond Cable, 20-22 AWG, Shielded
- Drum wands with check valve
- Clamps
- Mounting Anchors/Screws
- (4) 1” Pipe stands or (2) 2”x4” x 30” L (for mounting panel to wall)
- Calibration Cylinder

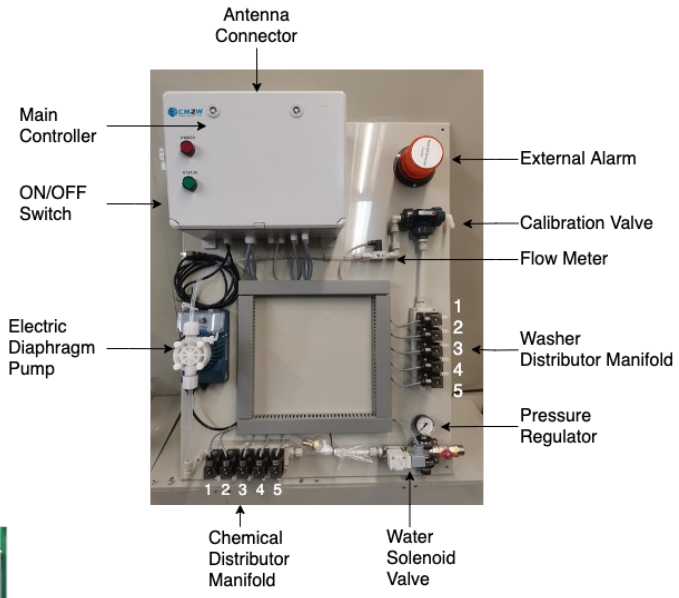

Figure 1 – Panel Overview

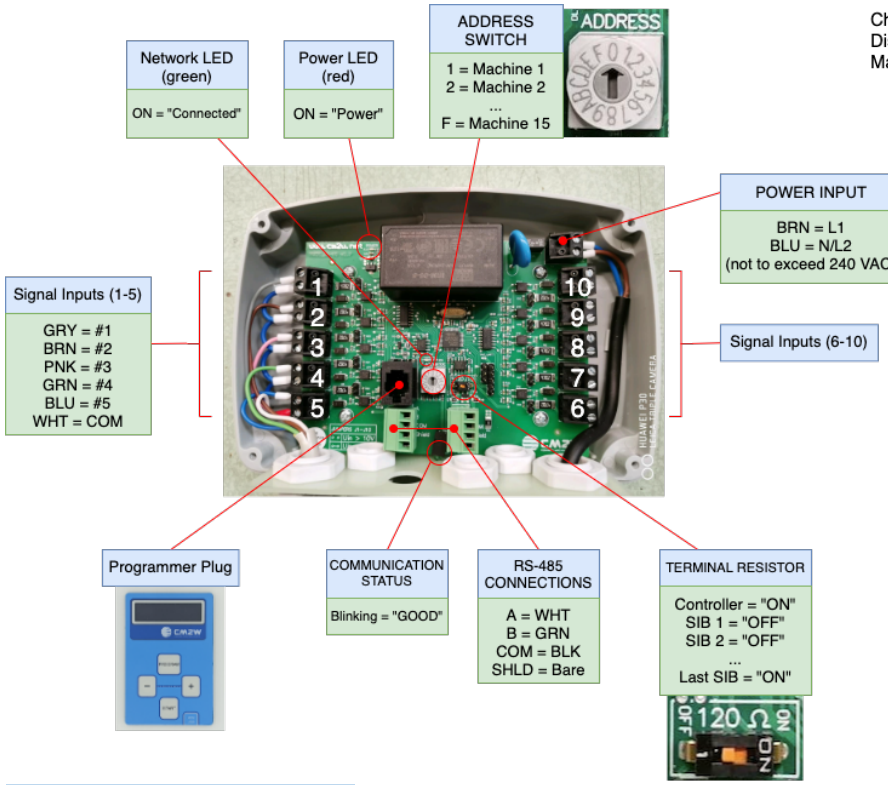

Figure 2 – SIB Overview

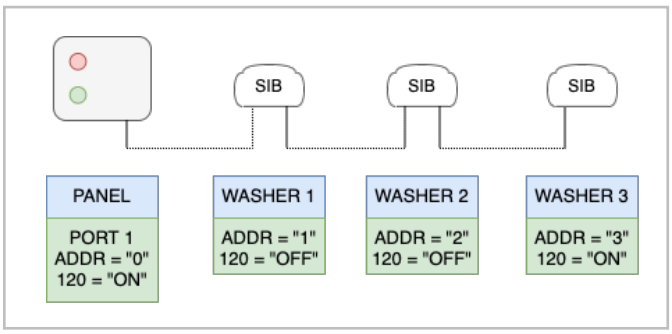

Figure 3 – Connection Overview (3 washer example)

HW Installation Procedure

Step	Description	Detail
1	Unpack	• Verify that all interface boxes are present, along with installation materials
2	Mount Panel	• Spacers between panel and wall are recommended • Ideally the panel is mounted directly above chemical containers
3	Plug and Power	• Connect antenna • Plug unit into outlet and turn unit ON via switch on the side
4	Mount Signal Interface Boxes (SIB)	• Mount SIB to the back/side of each washer
5	Wire SIB Power	• (L1, N/L2 – Not to exceed 240 VAC)
6	Wire Washer Signals to SIB	• (GRY = 1, BRN = 2, PNK = 3, GRN = 4, BLU = 5, WHT = Common)
7	Wire SIB Communications	• (WHT = A, GRN = B, BLK = COM, BARE = SHLD) • Starting from Port 1 in the Controller, daisy-chain each SIB • Turn on 120 Ohm load resistor in the Controller, and in the last SIB
8	Install Water Supply Tubing	• Connect to cold water source (tempered water is recommended)
9	Install Washer Tubing	• Match machine valve to washer number
10	Install Pickup Tubing	• Match chemical to appropriate valve • A check valve in the mating cap or drum wand is required
11	Turn water ON	• Verify no leaks on the inlet fitting and adjust pressure regulator as needed
12	Switch Calibration Valve	• Rotate calibration valve handle such that the arrows are pointing to the source, and the calibration port (<- ^ ->)
13	Prime Water	• Using the Programmer… • Press and hold “Program” button until you see “Priming Group 1 (ready) • Use “-“ button to select [Water] and press “Start” to begin, “Program” button to stop
14	Prime Chemicals	• Prime chemicals up to the chemical valve • It is recommended to flush (prime) the system with water in between each chemical
15	Calibrate Water	• Using the Programmer… • Requires enabling Keyboard Calibration first! • System will run for 60 seconds, then prompt the User to enter the amount measured in oz
16	Calibrate Chemicals	• Prime chemicals up to the chemical valve • It is required to flush (prime) the system with water in between each chemical
17	Switch Calibration Valve	• Rotate calibration valve handle such that the arrows are pointing to the source, and the washer valves (<- ^ v)

Software Setup Procedure

Step	Description	Detail
1	Create Facility	• Edit Facility and enter address
2	Load Products	• via Products tab -> + Quick Add
3	Add Device	• via Devices tab -> + Add [Multi-system, Name and S/N (beginning with “W”)]
4	Add User Access	• via User Access tab
5	Add Subscribers to Notifications	• via Subscribers tab
6	Check Device Status	• via Devices tab -> click on device
7	Enter Device Settings	• General • Wash extractor -> Enable each washer, enter size, flush amount, and AFS signal • Dosing Group -> Shared pump, pump OFF, ach. Flow rate, water flush etc. • Pump -> Add chemical product to each Pump via + Add
8	Enter Device Programs (Formulas)	• Enter AFS Signal and time, Signal Steps and Chemical amounts for each step • Copy formulas and add/remove steps
9	Verify System	• Run formulas on the machine and verify system dispenses