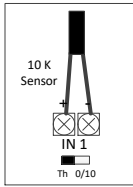


1. Connect your sensors and set up the IO card hardware

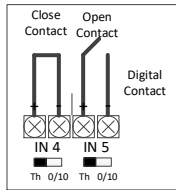
Temperature sensor

10K Type 2
Hardware switch = Th



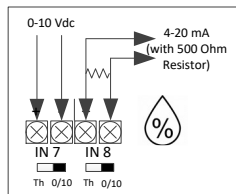
Digital Contact

Open or Close contact
(Dry Contact-Volt Fre)
Hardware switch = Th



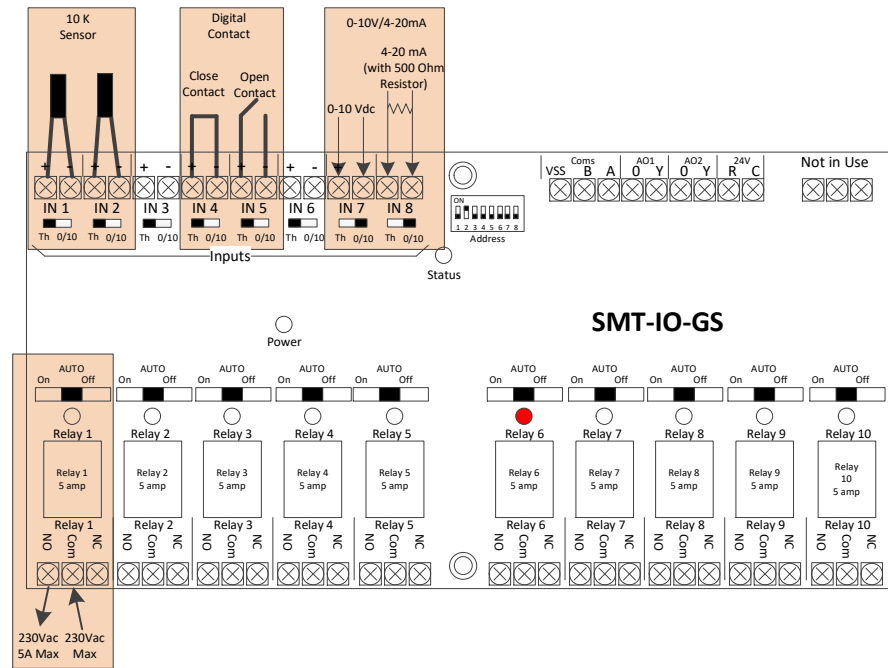
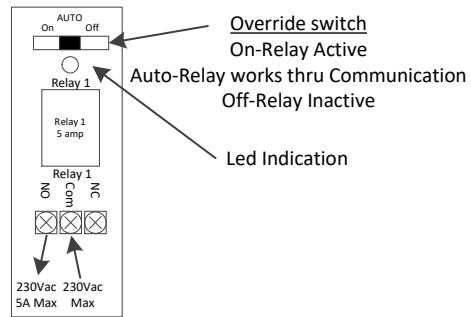
0-10Vdc or 4-20mA

0-10Vdc Input
4-20 mA (with parallel 500 Ohm resistor)
Hardware switch = 0/10



Digital Output (Relay)

Dry Contact – Up to 230Vac Max to Com
(0,12Vdc,24Vdc-Vac,110Vac,230Vac)
Output Up to 230Vac 5A Max



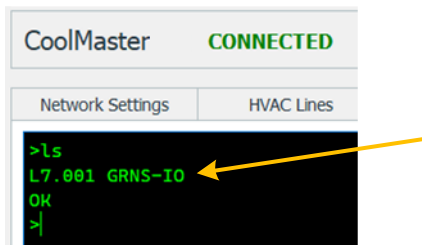
2. Set up "Line"

Set up Commands for Cool Units

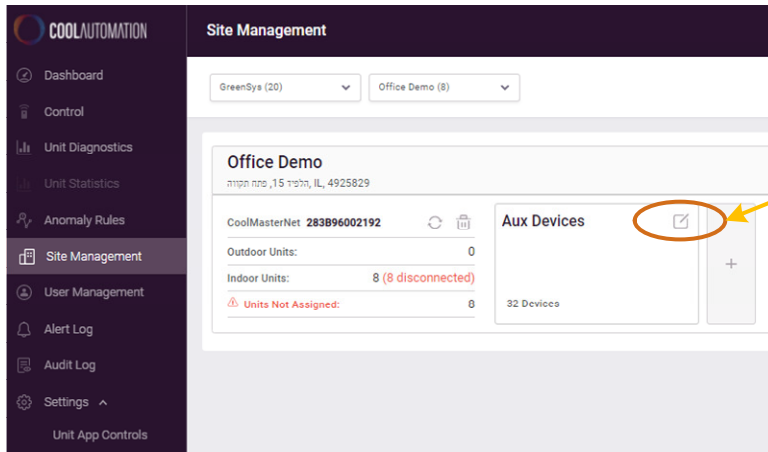
```
Command >line type Lx UMM
Response --OK
Command >boot 2

Command >line scan Lx GRNS-IO
Response --OK
Command >boot 2
```

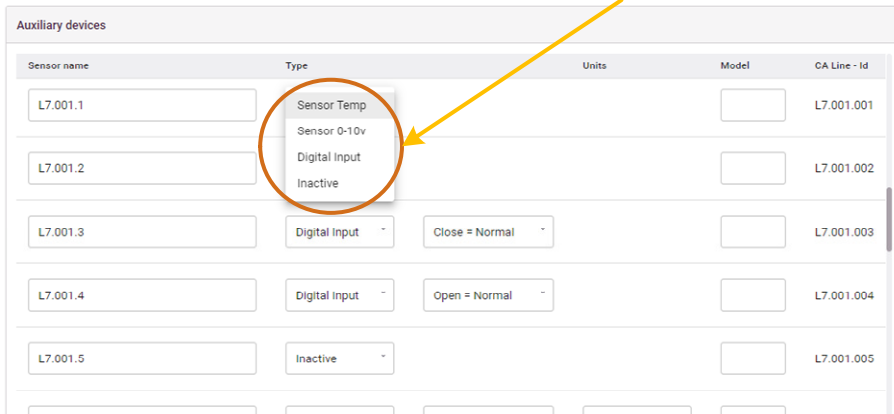
3. Make sure command "ls" show IO connected



4. After cloud connection, enter Site Management and press Edit "Aux devices"

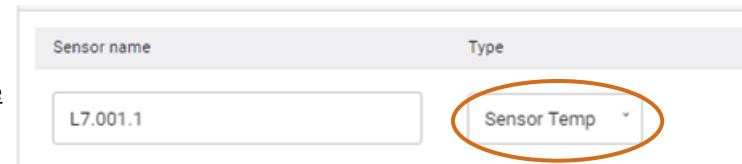


5. Set 8 Universal Inputs, need to set each one:

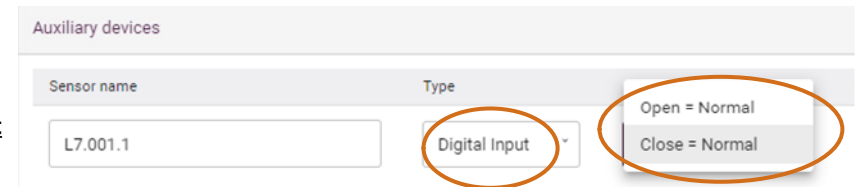


CANCEL SAVE

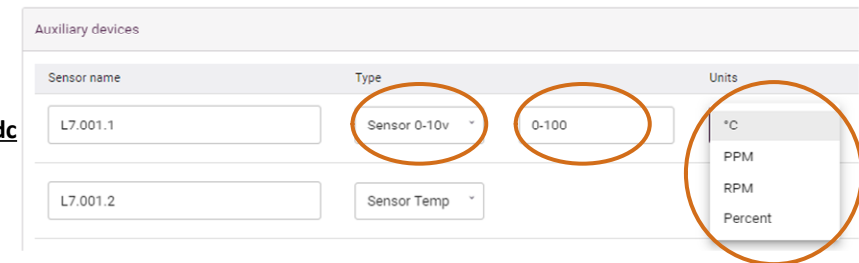
Temperature Sensor



Digital Input



Sensor 0-10Vdc



6. Set 2 Analog Outputs

Edit Aux Devices ✕

Auxiliary devices

Sensor name	Type	Units	Model	CA Line - Id
L7.001.10	Analog Output 0-10v Inactive	0-100	Percent	L7.001.010
L7.001.11	Analog Output	0-100	Percent	L7.001.011
L7.001.20	Digital Output			L7.001.020
L7.001.21	Digital Output			L7.001.021
L7.001.22	Digital Output			L7.001.022

7. Set 10 Digital Outputs

Edit Aux Devices ✕

Auxiliary devices

Sensor name	Type	Units	Model	CA Line - Id
L7.001.20	Digital Output Inactive			L7.001.020
L7.001.21	Digital Output			L7.001.021
L7.001.22	Digital Output			L7.001.022
L7.001.23	Inactive			L7.001.023
L7.001.24	Digital Output			L7.001.024