Sequent Microsystems Building Automation HAT universal inputs:

IN1 (green): 10K thermistor – water temp

IN2 (brown): 10K thermistor - enclosure temp

IN3 (beige): 0-10V – filter pump current transducer (polarity important!)

IN4: 0-10V – spare

IN5: 0-10V – spare

IN6: contact – spare

IN7: contact - spare

IN8: contact – spare

Input type jumpers:

10K thermistor

1K thermistor or contact

0-10V

Calibration of 10K inputs:

[Thermistor Calibration for High Accuracy Measurements - CAS (dataloggerinc.com)](https://dataloggerinc.com/resource-article/thermistor-calibration/#:~:text=Thermistors%20operate%20by%20changing%20resistance,calibration%20is%20an%20important%20consideration.)

(See data subdirectory for water temp and enclosure temp spreadsheets.)

Sequent Microsystems 8 Relays HAT:

Relay1 (black): Speed3 contact

Relay2 (white): Speed2 contact

Relay3 (yellow): Speed1 contact

Relay4: spare

Relay5: spare

Relay6: Enclosure Fan contact

Relay7 (yellow): SWCG contact

Relay8 (white): Polaris contact