

Sonicu Data Concentrator



Sonicu Meter

Sensor Data to SoniCloud via any transmission option (ex. Wifi or SoniLink)



SoniCloud

SoniCloud syncs latest information with Data Concentrator



Data Concentrator

BAS requests data via Modbus/ TCP or BACnet IP



BAS / BMS



How does it work?

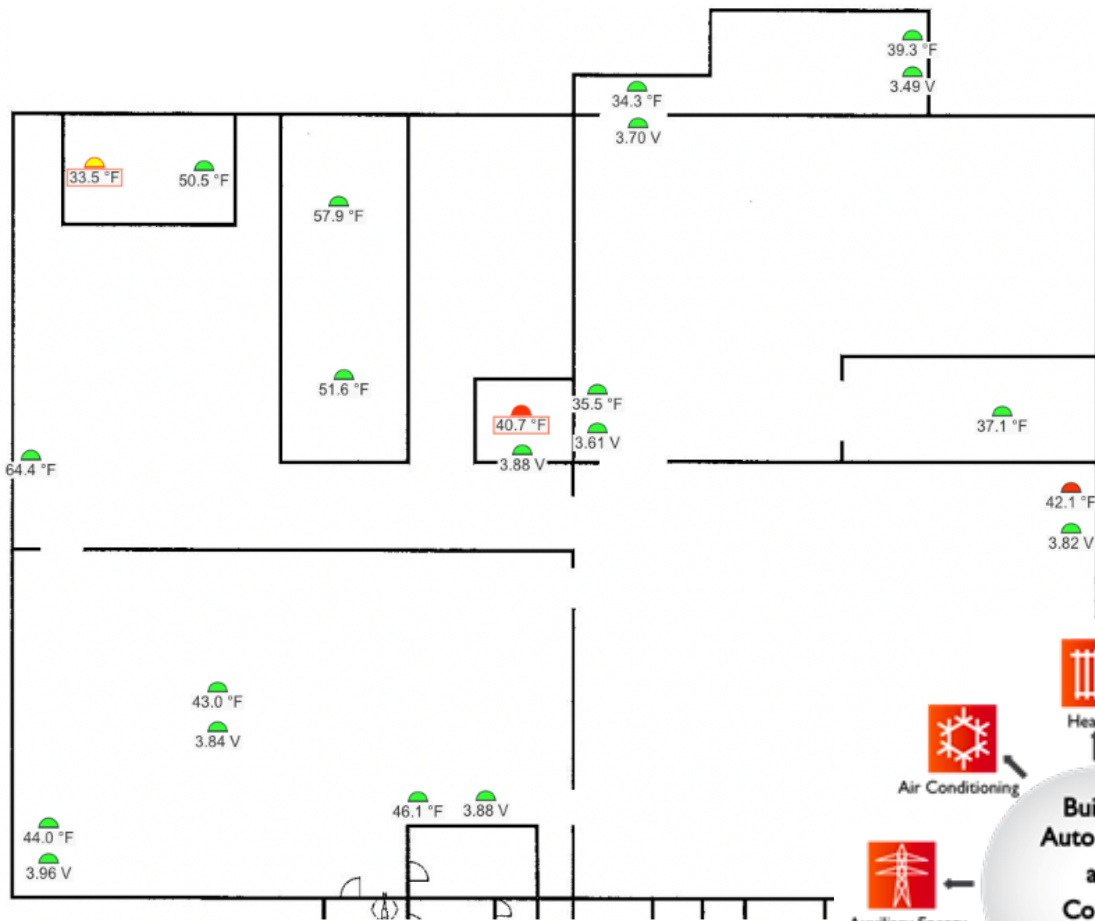
The Data Concentrator solution requires two steps:

1. In coordination with Sonicu, a customer establishes a profile including which points of monitoring should be reflected on the Data Concentrator.
 - a. This includes setting up 'slot mapping', indicating which point of monitoring in SoniCloud should be replicated to which 'slot' in the Modbus/BACnet memory map.

The customer programs their BAS/BMS to

2. connect to the Data Concentrator via either Modbus/TCP or BACnet IP.

They can query the Data Concentrator for temperature and environmental monitoring data, translate the data into the format desired for their system, and load the data into their BAS/BMS.



Specifications

Certifications:	FCC, ISED, EU, UKCA, UL/ IEC62368-1
Dimensions:	85 mm x 22 mm x 100 mm
Topology:	Ethernet with optional AT&T Cellular
Mounting Style:	DIN-rail or wall mount
Physical Interface:	2x Serial (RS232/422/485), 1x USB 2.0 Host, 1x MicroSD slot
Temp. Range:	-30° to +85°C (-22° to +185°F)
Voltage:	9-30 V DC

What data is available in the Data Concentrator?

By default, the Data Concentrator replicates point serial numbers, the time at which the most recent reading occurred, and the value of the most recent reading.

If customers require additional information to be available in the Data Concentrator, they should contact Sonicu Engineering for further development.