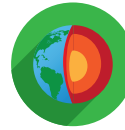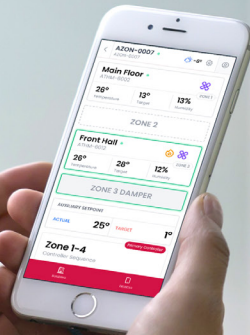# HBX
Control Systems Inc.

PRODUCT CATALOGUE

Boilers • Heat Pumps • Zoning • Thermostats
Snow Melt • Flow & Energy Metering

Product Listings

CONTROLS & MODULES

Product Name	Description
CPU-0600*	WIFI ENABLED BOILER CONTROL
ECO-0600*	WIFI ENABLED GEOTHERMAL CONTROL
HYD-0110	HYDRONIC MIXING BLOC
ORC-0100*	OUTDOOR RESET CONTROL
SGL-0600	WI-FI ENABLED SINGLE ZONE
ZON-0500	EXPANSION MODULE/ZONE CONTROL
ZON-0600	WIFI ENABLED ZONE CONTROL

SNOW CONTROLS & MODULES

Product Name	Description
SNO-0600	WIFI ENABLED STAND ALONE SNOW MELT CONTROL
SNO-0110	OPTICAL SNOW MELT SENSOR & 100' CABLE
SNO-0111	SNOWMELT SENSOR SOCKET & DUD COVER PLATE
029-0049	REMOTE PLASTIC DIPPED SENSOR

THERMOSTATS

Product Name	Description
ΔTHM-0100	NON-PROGRAMMABLE THERMOSTAT
ΔTHM-0200	PROGRAMMABLE THERMOSTAT
ΔTHM-0600	WIFI ZONING TOUCH SCREEN THERMOSTAT

ACCESSORIES

Product Name	Description
OUT-0100	OUTDOOR SENSOR
029-0022	UNIVERSAL BRASS SENSOR
029-0032	UNIVERSAL STAINLESS SENSOR
029-0045	10' UNIVERSAL STAINLESS SENSOR
FMS-0001	FLUSH MOUNT SENSOR
REL-2000	DPDT RELAY SOCKET
REL-2024	DPDT RELAY 24V COIL 10A
REL-2120	DPDT RELAY 120V COIL 10A
REL-4000	4PDT RELAY SOCKET
REL-4024	4PDT RELAY 24V COIL 5A
REL-4120	4PDT RELAY 120V COIL 5A

SENSORS & ACCESSORIES

Product Name	Description
Flow & Temperature Meters	
WFS-0020-S	STAINLESS FLOW METER (FLOW 0.26-5.28 GPM)
WFS-0040-S	STAINLESS FLOW METER (FLOW 0.52-10.6 GPM)
WFS-0100-S	STAINLESS FLOW METER (FLOW 1.32-26.4 GPM)
WFS-0200-S	STAINLESS FLOW METER (FLOW 2.64-52.8 GPM)
WFS-0020-C	COMPOSITE FLOW METER (FLOW 0.26-5.28 GPM)
WFS-0040-C	COMPOSITE FLOW METER (FLOW 0.52-10.6 GPM)
WFS-0100-C	COMPOSITE FLOW METER (FLOW 1.32-26.4 GPM)
WFS-0200-C	COMPOSITE FLOW METER (FLOW 2.64-52.8 GPM)
WFS-0400-C	COMPOSITE FLOW METER (FLOW 5.28-106 GPM)
Pressure & Temperature Meters	
WPS-0020-S	STAINLESS PRESSURE METER (FLOW 0.26-5.28 GPM)
WPS-0040-S	STAINLESS PRESSURE METER (FLOW 0.52-10.6 GPM)
WPS-0100-S	STAINLESS PRESSURE METER (FLOW 1.32-26.4 GPM)
WPS-0200-S	STAINLESS PRESSURE METER (FLOW 2.64-52.8 GPM)
WPS-0020-C	COMPOSITE PRESSURE METER (FLOW 0.26-5.28 GPM)
WPS-0040-C	COMPOSITE PRESSURE METER (FLOW 0.52-10.6 GPM)
WPS-0100-C	COMPOSITE PRESSURE METER (FLOW 1.32-26.4 GPM)
WPS-0200-C	COMPOSITE PRESSURE METER (FLOW 2.64-52.8 GPM)
WFS-0400-C	COMPOSITE FLOW METER (FLOW 5.28-106 GPM)
Heat Meters	
BTU-0014-S	STAINLESS BTU METER (FLOW 0.30-3.69 GPM)
BTU-0030-S	STAINLESS BTU METER (FLOW 0.70-7.92 GPM)
BTU-0070-S	STAINLESS BTU METER (FLOW 1.84-18.49 GPM)
BTU-0130-S	STAINLESS BTU METER (FLOW 3.43-34.34 GPM)
BTU-0014-C	COMPOSITE BTU METER (FLOW 0.30-3.69 GPM)
BTU-0030-C	COMPOSITE BTU METER (FLOW 0.70-7.92 GPM)
BTU-0070-C	COMPOSITE BTU METER (FLOW 1.84-18.49 GPM)
BTU-0130-C	COMPOSITE BTU METER (FLOW 3.43-34.34 GPM)
BTU-0400-C	COMPOSITE BTU METER (FLOW 5.28-106.0 GPM)

* Marked Controls include
Universal Sensors (x2) (029-0022), Remote Outdoor sensor (x1) (OUT-0100), Terminal Screwdriver (2.5mm), Cable ties (x2), Manual (x1)

° Marked Controls Include
Universal Sensors (x1) (029-0022), 32-Pin Connector (x1), Terminal Screwdriver (2.5mm)

Δ Marked Controls Include
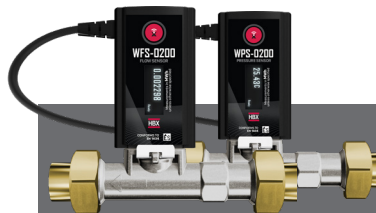Universal Sensor (x1) (029-0045)

Table of Contents

Introducing the
WiFi™ Zoning System

The HBX Wi-Fi Zoning System offers the highest degree of comfort management, allowing you to control multiple zones within your living space from your smartphone or tablet device. This flexible design makes comfort easy by allowing you to remotely control temperatures, targets, schedules, and operating modes with just a few taps.

The zoning system incorporates a zone control (ZON-0600) which is expandable to 20 zones and two wire programmable touchscreen thermostats (THM-0600).

10:00am   Outdoor **47°F**

LIVING ROOM
ZONE 1
72.0 °F

Floor	Humidity	Target
75°F	30%	74°F

HBX

THM-0600
Touch Screen Thermostat

FEATURES

- 2 wire thermostat (power and communication)
- Multiple heating and cooling modes
- Humidity Control
- Programmable Schedules
- Floor and Air sensing capabilities

AZON-0007
AZON-0007   ☀ -6° ⚙

Main Floor •
ATHM-6002

| 26° Temperature | 13° Target | 13% Humidity | ZONE 1 |

ZONE 2

Front Hall •
ATHM-6012

| 26° Temperature | 28° Target | 12% Humidity | ZONE 3 |

ZONE 3 DAMPER

AUXILIARY SETPOINT

ACTUAL **25°**   TARGET **1°**

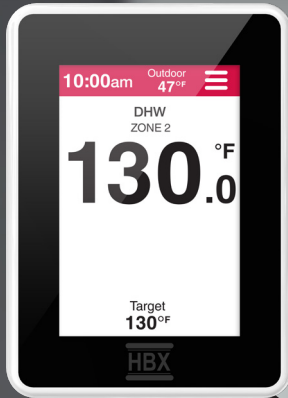Zone 1-4   Primary Controller

SensorLinx™

HBX SensorLinx App
Remote System Management

FEATURES

- Manage comfort for multiple zones and locations, including snow melt, geothermal and boiler systems
- Control targets, schedules, modes, slab temperature and much more
- Updates in real time

GET IT ON **Google Play**

Download on the **App Store**

Low power mode with dim screen when idle.

10:00am Outdoor 47°F

DHW
ZONE 2

130.0 °F

Target
130°F

HBX

10:00am

BASEMENT
ZONE 3

64.2 °F

Outdoor
47°F

HBX

81°   ZONE 1 - 4

ZONE 1
Bedroom   76°

ZONE 2
Garage   78°

ZONE 3
Basement   82°

ZONE 4
Upstairs   90°

DOMESTIC HOT WATER
110°   120°

FANCOIL

PUMPS
1   2

DEMANDS
CD   HD   HD2

HBX

ZON-0600
WiFi Enabled Zone Control

RISK OF ELECTRIC SHOCK-
INPUT POWER PRIOR TO SERVICING

ATTENTION, RISQUE DE CHOC ÉLECTRIQUE-
DÉBRANCHEZ TOUS LES PUISSANCE D'ENTRÉE POUR
EFFECTUER UNE RÉPARATION

ZON-0600
ZONE CONTROL

INPUT
120VAC 15A Max

RELAYS
240VAC 5A Max

ETL US

Certified to
CSA C22.2 No 24
Conforms to
UL Standard 873

Intertek
3068143

FEATURES

- Expandable, control up to 20 zones
- Pump, valve, damper control
- Fancoil, Furnace, and AC control
- Humidity control
- Geothermal Mode (2 or 4 pipe systems)
- Wi-Fi Enabled

The THM-0600 is a 4 stage full programmable P.I.D thermostat designed for Hydronic and forced air HVAC applications. The large, full graphic display with a low profile is easy to read and simple to navigate using the touch screen control. The thermostat features a low power idle mode with a dim screen when not in use. When connected to the internet with the Wi-Fi Zoning system, the SensorLinx™ mobile app allows you to control the thermostat remotely anytime, anywhere.

The THM-0600 is designed to work only with the HBX Wi-Fi Zoning System and utilizes only two wires (power and communication) to the ZON-0600 zone control. This eliminates the need to pull wire which makes it ideal for retrofits as well as new installations.

The thermostat features multiple heating and cooling modes with the ability to control humidity. The thermostat has two auxiliary inputs that can be used to measure air, floor or both in dual mode.
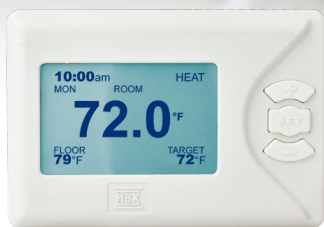
THM-0600
FULL COLOR TOUCH SCREEN THERMOSTAT

FEATURES

- Mobile app for Android and Apple devices (Sensorlinx App)

- 2 Wire thermostat

- Temperature sensing modes: Air, Floor and Dual Mode

- Includes 10' floor sensor for radiant floor heating

- Multiple heating and cooling modes with fan control

- Auto heat/cool changeover

- Away mode for energy savings

- Automatic humidity control

- Outdoor temperature display by internet
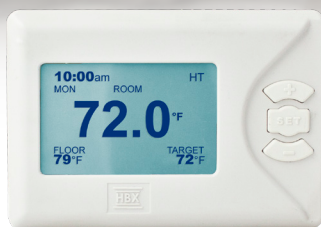
- Programmable schedules for heating and cooling

THM-0100

SINGLE STAGE HEAT/COOL

Non-Programmable • Setpoint Control

This diverse single stage heating/cooling THM-0100 Non-Programmable Thermostat is also designed around a P.I.D. Algorithm theory and can also benefit applications requiring a single setpoint control.

In the single setpoint mode, the THM-0100 can be used to operate pumps, fancoils, and other equipment. A single on board auxiliary sensor will allow for internal room, external floor, or outdoor sensing options.

THM-0200

3 STAGE THERMOSTAT

Single Stage Boiler Control • Programmable Thermostat

The THM-0200 is a 3 stage fully programmable PID logic thermostat. Beneficial features exclusive to the THM-0200 include setback options consisting of 5 weekday and 2 weekend programmable capabilities.

The thermostat also functions as a single stage boiler control with outdoor reset capability. The pump enable contact allows the THM-0200 to control the boiler pump as well.

FMS-0001

FLUSH MOUNT WALL SENSOR

The HBX (FMS-0001) Indoor Sensor mounts flush to the wall to give an unobtrusive look and acts as a hidden indoor sensor. The sensor can be connected to any HBX thermostat for remote temperature sensing. The sensor incorporates barbed clips for the sensor to fit securely into drywall. The sensor is corrosion resistant and can be painted to match the existing wall. The sensor is equipped with 1' lead of 22 AWG wire.

FEATURES

- Can be used as a single setpoint control
- Multiple temperature sensing modes: Room, Floor, Dual
- Includes external sensor with 10' lead
- Integrated 2 Amp dry contacts
- Can be used as a digital aquastat

FEATURES

- Single boiler control capability
- Multiple heating and cooling modes
- 5 & 2 day programming
- Includes external sensor with 10' lead.
- 2H/1C, 1H/2C, H/H, H/C & C/C with fan

FEATURES

- Compatible with any HBX thermostats
- 10K thermistor
- Hidden indoor sensing
- Can be painted to match the existing wall

ZON-0600
WIFI ZONE CONTROL

Pumps or Valves • Fancoil • Dampers • Humidity Control

This revolutionary control allows you to customize exactly your needs and wants for any application including radiant floor and forced air system control or a combination of both. The ZON-0600 can operate zone valves or zone pumps the choice is yours. Each module allows control up to 4 individual zones with the ability of wireless expansion between modules.

Each controller is now Wi-Fi enabled eliminating the need to use the Thermolinx Wi-Fi module for online connection. Each zone can be viewed or configured from your smartphone or tablet devices, allowing you to control your comfort anytime or anywhere.

With so many features integrated into the ZON-0600 the control allows for customized options including selectable pump and demand outputs, pre and post purge run times with exercising options, and the ability to tie in an auxiliary thermistor to run a setpoint directly off the ZON-0600 (ex. DHW setpoint without using the zone output).

The new design incorporates a new pairing process that utilizes an internal Wi-Fi protocol between modules that further extends the communication distance and reduces the chance of interference with other operating systems. This process also allows for communication for demands, dampers and their priorities, amongst one another.
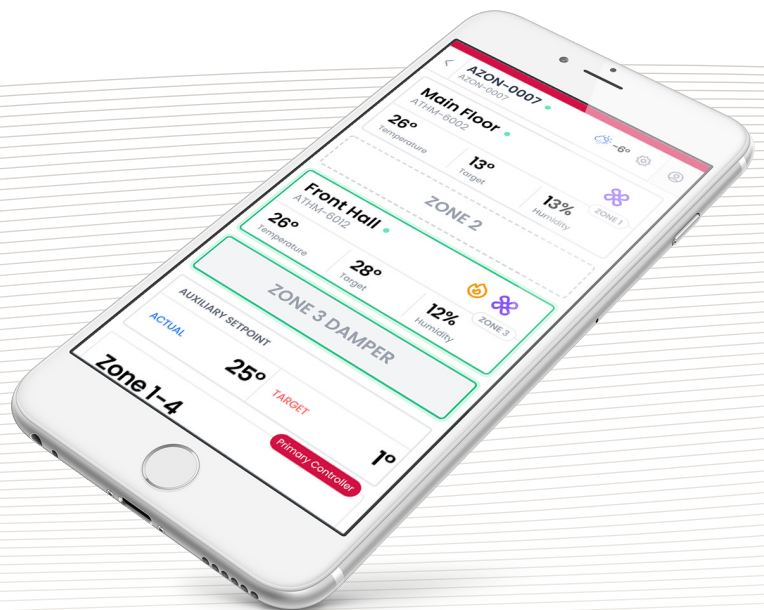
FEATURES

- Control up to 4 individual zones per module

- Pump, valve and damper control

- Humidity control

- Fan control (on/off/intermittent)

- Zone priority

- Supports 2 Wire thermostat (THM-0600)

- Wi-Fi Enabled

- View zone temperatures and operation status on the main screen

- Full colour touch screen display

- Share demand communication between modules (wireless)

- Selectable pump output options

- External thermistor input to run a setpoint directly from the control

- Warm weather shut down

SENSORLINX APP
REMOTE ZONE MANAGEMENT
WiFi Enabled Zoning Access

Used in conjunction with the SensorLinx Mobile App, The ZON-0600 makes comfort easy by allowing you to remotely monitor and adjust targets, schedules, alarms, and modes. The app can accommodate for unlimited amount of zones in one location with the ability to also control several locations on one account.

ZON-0500
ZONE CONTROL
Expandable • DHW • Pumps or Valves

The ZON-0500 is an intelligent, microprocessor based zone control. Capable of controlling up to 4 zones per control, the ZON-0500 can be used as a standalone unit, in conjunction with the 0550 series or as an expansion module for the 1000 series controls, and can handle multiple priority selections.

The controller can be daisy-chained to provide unlimited coverage and flexibility for virtually any number of zones. The ZON-0500 allows for pump or valve control, and is capable of enabling a boiler.

FEATURES

- Compatible with most 2,3 or 4 wire thermostats

- Expandable up to 36 zones

- 2 demand outputs
    - 1 TT/Cooling demand
    - 1 DHW/Heat demand

- System pump output

- Provides pump or valve control

- 24VAC or dry contact thermostat inputs

- Multiple priority options; dipswitch selectable

- Zone post purge and exercising

Expandable for Multiple Applications!

SGL-0600
WI-FI ENABLED SINGLE ZONE

The HBX Single Zone (SGL-0600) is designed to control most common HVAC systems and provides flexibility to integrate heating or cooling systems with multiple devices including forced air heating/cooling, radiant heating/cooling, heat pumps, fancoils and humidifier/dehumidifier.

Two Wire Solution

The single zone includes a Wi-Fi enabled full-colour touchscreen thermostat (THM-0600) and relay box to control your heating and cooling equipment. The THM-0600 thermostat is a 2 wire (power and communication) thermostat which makes it ideal for retrofits by re-using the existing 2 wire electrical to solve the issue of not having enough wires to upgrade systems.

The single zone relay box allows user to control up to 2 stages heating and 2 stages cooling with the ability to control humidity and fan control. The zone box allows for 2 dry demand outputs to heating and cooling devices. Wiring the relay box only requires 24V (low voltage) to power the unit.

FEATURES

- 2 Wire Thermostat
- No More Pulling Wires
- 2x Dry Demand Outputs
- Can be added to the ZON-0600 for additional Fancoil Outputs
- 2 Stages of Heating and 2 Stages of Cooling
- Humidity and Fan Control
- 24V (Low Voltage Wiring)

Introducing

SensorLinx™

Smart Sensor Solutions

The **SensorLinx™ Sensor System** is designed to measure the energy used or transferred in liquid heating applications, including HVAC, Solar Thermal Heating and Geothermal. Utilizing precision matched temperature sensors provides excellent differential accuracy and in-line flow meters with a very wide turndown, they provide the accurate data required to calculate totalized usage and allocate cost.
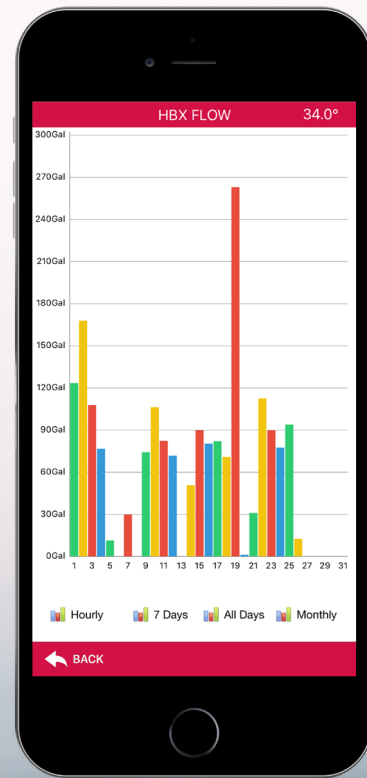
FEATURES

- Residential and commercial tenant billing
- Measure system pressure, flow, and temperatures for your supply and returns
- BTU graphs calculated based on Hour, Day, Week and Month
- Measure flow up to 105 GPM
- Wireless communication between sensors
- EN1434 Certification
- NSF 61 Certification

The SensorLinx™ System is a customizable sensor solution incorporating the **WFS** Wi-Fi Flow & Temperature Sensor and the **WPS** Wi-Fi Pressure & Temperature Sensor. The sensors can be used individually to track many system parameter configurations to record daily, monthly and yearly totalized usage in real time using the HBX Thermolinx App.

The **SensorLinx™ System** incorporates a Wi-Fi communication protocol that allows for an easy setup and provides advanced functionality that can be controlled via a smartphone using the HBX ThermoLinx™ mobile App.

ENERGY METERING (BTU)

When the SensorLinx™ sensors are used in conjunction within your liquid system, the system allows for accurate BTU measurement and recording. The pre-paired sensors feature a wireless communication protocol between them.

TRIAC OUTPUT

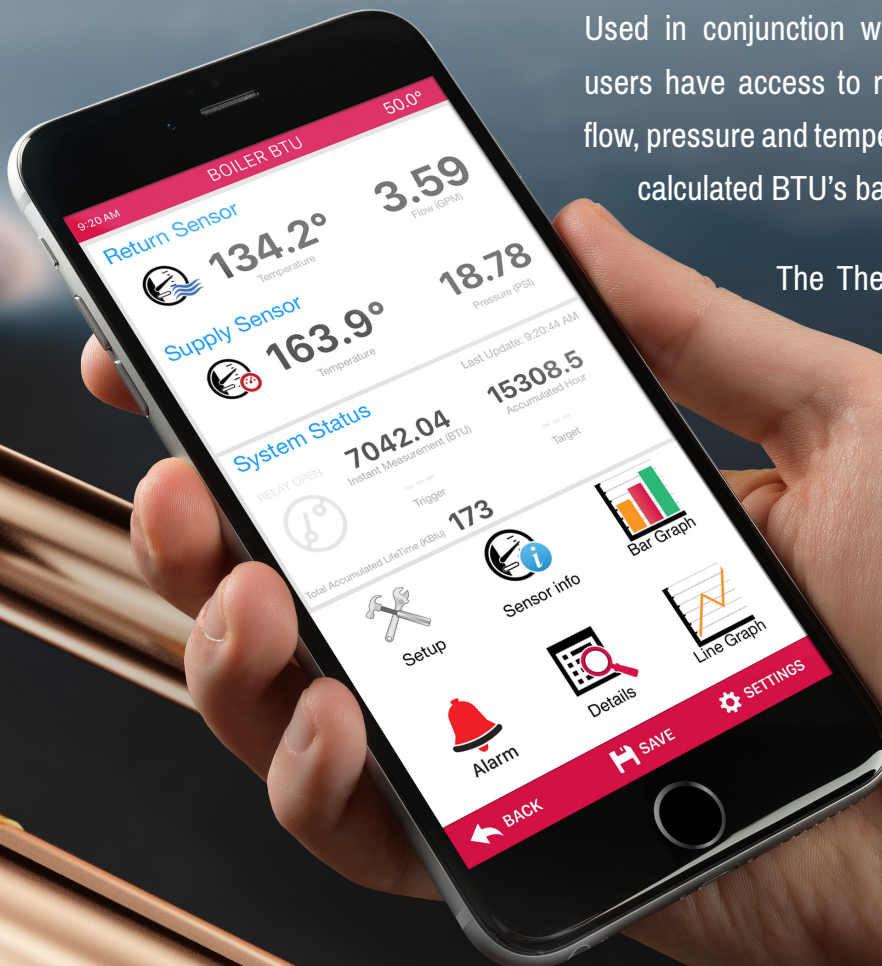The control module incorporates a triac output for relay operation that will allow for equipment to turn on/off.

ThermoLinx™
Hydronic Network

GET IT ON **Google Play**

Download on the **App Store**

Used in conjunction with the ThermoLinx™ Mobile App, users have access to real time data collection for system flow, pressure and temperatures with the ability to view graph calculated BTU's based on hour, day, week, and month.

The Thermolinx app also allows to receive alarm notifications on your supply and return temperatures.

SensorLinx™
MANAGEMENT PORTAL
CONNECT. MEASURE. MONITOR. BILL.

The SensorLinx™ Management Portal is a monitoring and billing solution for homeowners and building managers. The web based program provides individual tenant billing capabilities to ensure accurate and real time data for thermal heating/cooling and DHW billing consumption. The portal also provides raw or graphical data for heating BTU consumption as well system historical flow, temperature and pressure data with alarm notifications.
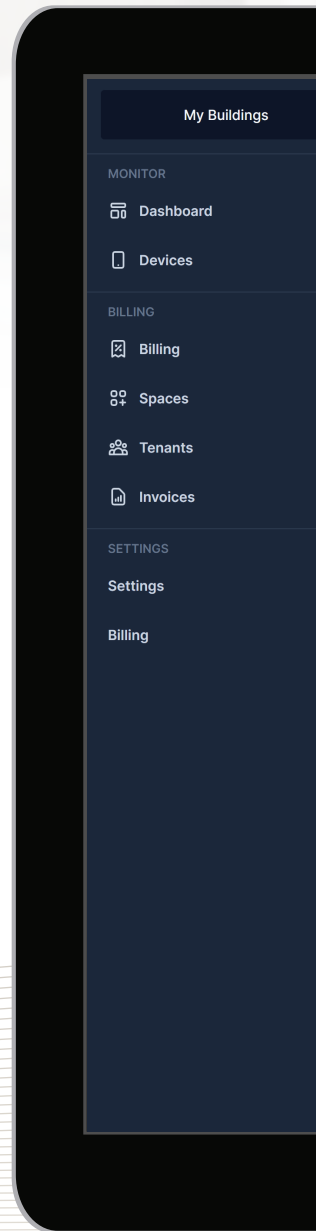
The management system solution automates the tenant billing process by eliminating manual meter readings for more accurate measurement and eliminates human error readings. The management system also allows building owners to customize and generate bill runs to tenants. Tenants will also have the ability to pay their utility bills through the management system portal. With direct tenant metering, tenants are more likely to reduce their energy usage which will reduce the cost savings and faster money recovery to the building owner.

Already Using another Building Management System?
If you are already using a building management system the SensorLinx System also provides an API from our servers to provide all your data management request calls to your building management system. The API will also let the SensorLinx sensors communicate with BACnet or BMS systems.

FEATURES

- REAL TIME FLOW AND HEAT METERING DATA
- HISTORICAL DATA AND REPORTING
- TENTANT BILLING CAPABILITIES
- SYSTEM ALARM NOTIFICATION
- MULTIPLE BUILDING MANAGEMENT
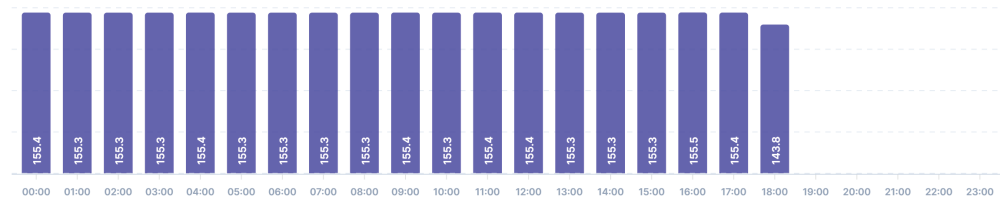- API CALLS TO THIRD PARTY SYSTEMS

My Buildings

MONITOR
Dashboard
Devices

BILLING
Billing
Spaces
Tenants
Invoices

SETTINGS
Settings
Billing

HBX Village
4516 112 Ave SECalgary, AB T2C 2K2

+ Create new

Hourly Volume
Monitor your devices active flow as it happens

155.4	155.3	155.3	155.3	155.4	155.3	155.3	155.3	155.3	155.4	155.3	155.4	155.4	155.4	155.3	155.3	155.3	155.5	155.4	143.8				

00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00

Current Hour Volume	Average Volume Per Hour	Total Volume Today
143.8	**154.7368**	**2940**

Daily Volume
Monitor your devices active flow as it happens

75072	7594.8	7911	4319.7	3730.8	3731.2	3730.8	3730.1	3730.4	3730.7	3730.4	2943.5

02 May 04 May 06 May 08 May 10 May 12 May 14 May 16 May 18 May 20 May 22 May 24 May 26 May 28 May 30 May

Current Daily Volume	Average This Month	Total Volume This Month
2943.5	**4706.7167**	**56480.6**

Monthly Volume
Monitor your devices active flow as it happens

CPU-0600
CENTRAL PROCESSING UNIT
Staging • Mixing • Pump Sequencer • Differential Setpoint • Dual Setpoint

The CPU-0600 is a Wi-Fi enabled boiler control that covers a wide variety of applications from a single unit, reducing the number of different controls on your shelf. The CPU-0600 accommodates for Boiler Staging, System Mixing, Pump Sequencer, Dual and Differential Setpoint applications in a condensed package with extensive flexibility.

FEATURES

- Control up to 4 on/off boiler stages per controller

- Expandable up to 16 on/off boiler stages or 12 Modulating boilers

- Boiler lead lag and rotation on time or cycles

- Multiple pump control options (system, boiler, DHW)

- Outdoor temperature reset with WWSD

- Control up to 3 modulating boilers (0-10 VDC) per controller

- DHW control

- Boiler and DHW differential

- Multiple mixing control options (Injection, Mod, Floating)

- Full-Colour graphic display

- Wi-Fi Enabled with remote access through SensorlinxTM mobile app

5 CONTROLS MODES IN 1 CONTROL

Multi-Staging

The use of the CPU-0600 as a Boiler Control allows the capability to stage up to four (4) On/Off Boilers, or three (3) modulating Boilers with DHW (Domestic Hot Water) requirements using outdoor temperature reset. In addition it is capable of controlling a system pump, boiler and DHW pump.

Mixing Control

This mode is used when running mixing pumps or valves in your hydronic system. Mixing configurations include injection modulating (0-10 VDC), and floating action valve.

Differential Setpoint Control

In differential mode, the control will also send a modulating signal output based on how far the control is from the differential. This can be used to run a pump in modulating applications for constant flow.

Pump Sequencer Control

This mode is used to provide pump control for two pumps in a duty, standby situation. This control allows the system to sequence and cycle pumps, override pumps and turn the pumps off when the outdoor temperature goes above a certain value (WWSD). In this mode, a flow proof input and flow alarm can be utilized with the operation of your pumps.

Dual Setpoint Control

This mode is used when one or two independent setpoints are needed. Each setpoint is set up individually and each has its own thermistor input and relay outputs.

SENSORLINX APP
REMOTE BOILER CONTROL
WiFi Enabled Boiler Access

Used in conjunction with the free HBX Sensorlinx™ mobile app, users can control and monitor their boiler system remotely from their smartphone devices with the ability to adjust system parameters, monitor system temperatures, equipment operation status and receive alarm notifications.

ORC-0100
OUTDOOR RESET CONTROL
Single Stage Boiler Control

The ORC-0100 is designed to be an energy-saving automatic control for hot water boilers. The ORC-0100 measures the outside air temperature and re-adjust the heating system water to a minimum water temperature to satisfy the heat loss of the home or building.

FEATURES

- Reduces fuel usage - Approx. 15%
- Stable indoor temperature
- Reduces thermal shock
- Constant water circulation
- Reduced piping expansion noise
- WWSD (Warm Weather Shut Down)
- System pump pre-purge
- System pump post-purge
- DHW priority (60 minutes)

☑ **Single On/Off Boiler Control**

☑ **Sensors Included**

☑ **24V Power Supply**

☑ **Boiler Pump Contact**

☑ **DHW Capabilities**

☑ **DHW Priority**

☑ **Single Screen Programming**

☑ **Large Full-Graphic Display**

☑ **Backlit Display**

HYD-0110
STANDALONE MIXING CONTROL

Hydroboc Standalone Mixing Control - Only available in Canada

The HBX HydroBloc is designed as a hybrid mixing system with built-in pump and control for full functionality. Outdoor reset technology operates utilizing fully programmable reset curves. Single dial control adds to the convenience of this independent boiler control and mixing tool.

Installation time is minimized with trouble-free direct connect fittings and single pump operation. Features include outdoor and boiler sensors, and a multi-colour back-lit display which indicates operation status.

FEATURES

- All In One Mixing Control

- 3 Speed Pump

- Simple, No Line Voltage Wiring

- Wall Mountable

- Handles Up to 2000 Sq. ft Of Radiant

- Outdoor Reset Control

- Can Be Piped With Closely Spaced T'S or From Low Loss Header

- Multi-Function Sensor System (Temperature & Pressure)

SNO-0600
SNOW MELT CONTROL
Snow Melt Systems, Simplified

The Wi-Fi enabled SNO-0600 Snow Melt Control operates Hydronic heating and electric equipment tom melt snow and/or ice from driveways, ramps, and walkway surfaces. The control consists of numerous exceptional features including settings for snowfall intensity as well as an adjustable delta T. The control can operate a single boiler while controlling a main system pump to supply heat to the slab. The control allows for multiple mixing options including injection, floating action and modulating (0-10 VDC).

Reduce Idling and Save on Utilities

The SNO-0600 now features weather forecasting in its programming. This allows the control to receive your local weather forecast to turn on your system in the anticipation of a snow storm. This will reduce the need to idle your slab all the time in the winter and save you a significant amount of money on your utility bills.

FEATURES

- Wi-Fi enabled for remote access and monitoring
- Weather forecasting
- Controls injection pump or mixing valve (modulating 0-10vdc option)
- "Snowfall anticipation" setting & pre-set snowfall conditions
- Boiler enable
- Warm and cold weather shutdown
- Multi zone operation
- Multi Slab function (standby, Idle, Melt)

SNO-0110
OPTICAL SNOW MELT SENSOR
Scratch-Resistant, Remote Mountable Optical Snow Sensor

The SNO-0110 snow melt sensor is unique to the hydronic industry. This sensor uses optics rather than the typical metal components to sense the presence of snow/ice.

The sensor provides the SNO-0600 with information on snowfall intensity, and allows for multiple snowfall sensitivity settings, which can result in cost savings to the home owner. This sensor requires the SNO-0111 Sensor Enclosure in order to be installed in-slab (sold separately).

FEATURES

- Optical Snow Sensing Technology
- 100' Optical sensor (can be cut to any length required or extended up to 200')
- Scratch-resistant polymer cover
- Remote mountable design
- Leveling locations on sensor base
- Includes 2 universal 10k brass sensors and 1 outdoor sensor

SENSORLINX APP
REMOTE SNOW MELT SYSTEM CONTROL
WiFi Enabled Snow Melt Access

Used in conjunction with the free HBX Sensorlinx™ mobile app, users can control and monitor their snow melt system remotely from there smartphone devices with the ability to set snow fall rates, system targets, monitor equipment operation, and adjust weather forecasting demands.

ECO-0600
HEAT PUMP CONTROL
Dual Tank • Heat Pumps • Chiller • Reversing Valve • Backup

The ECO-0600 is designed to be a stand –alone outdoor reset control device. The purpose and function of the ECO-0600 is to provide control for geothermal applications with the ability control equipment in a 2 pipe, single or dual tank, hydronic heating or cooling system.

The ECO-0600 can control up to four (4) heat pump stages (air-to-water or water-water) or chillers and a reversing valve with outdoor temperature reset control.

This powerful control can control a backup heat source (boiler) while operating three (4) heat pump stages. The backup heat source can be brought on with a few different options based on outdoor or tank temperatures. The control can manage single tank or dual tank applications with separate hot and cold tanks. The control also features DHW (domestic hot water) control with any application.

FEATURES

- Control up to 4 heat pump stages

- Backup boiler control

- Single or dual tank modes

- DHW control

- Runs reversing valve or 3 way mixing valves

- Lead lag on heat pumps

- Heat pump rotation on time or cycles

- Outdoor temperature reset

- System and hot/cold tank pumps control with exercising and post purge options

SENSORLINX APP
REMOTE GEOTHERMAL SYSTEM CONTROL
WiFi Enabled Geothermal System Access

Used in conjunction with the free HBX Sensorlinx™ mobile app, users can control their geothermal system remotely from there smartphone or tablet devices with the ability to adjust heat pump and backup parameters, monitor tank temperatures, equipment operation status and receive alarm notifications.

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