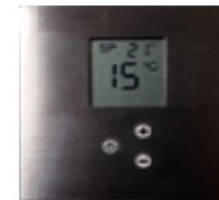


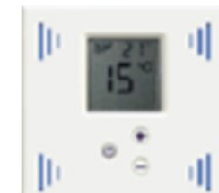


iCon® system

The *iCon*® system is a centrally controlled advanced energy management system that integrates multiple energy sources such as boilers, geothermal pumps, Fan Coil Units, VRFs and solar panels. It's configurable architecture enables designers to readily build systems for the most demanding project requirements.



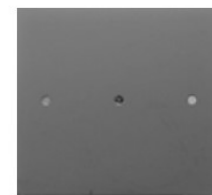
**cc764 Series
BSS**



**cc764 Series
WHI**



**cc764 Series
BLK**



**cc767 Series
BSS**



Alarms/Notifications



Wifi



Zigbee



Modbus Slave



Remote Display

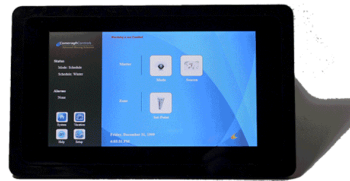


Iphone, Android, Windows, Mac

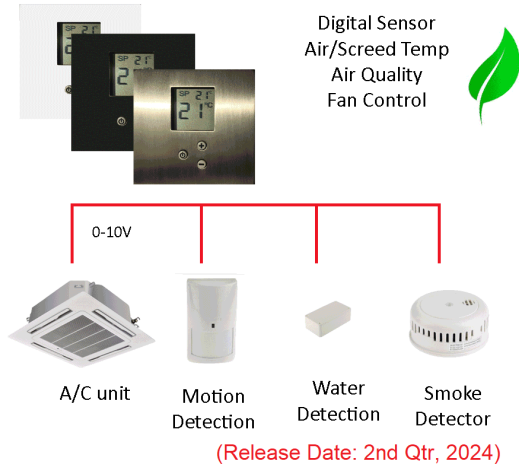
REALVNC



CC200-HV3



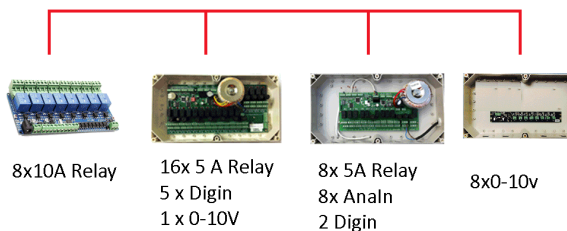
S-Line Sensors



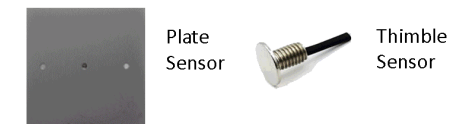
A-Line Sensors



I/O Modules



T-Line Sensors



Rs485 Mosbus

zigbee

wifi

Rs485- Modbus

Rs485- Modbus

Rs485- Modbus

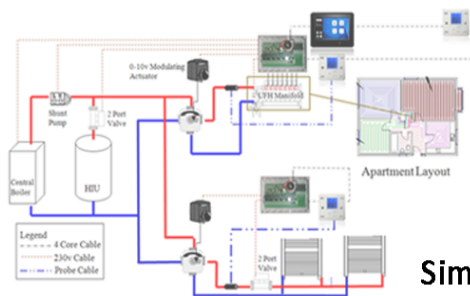
Wired

Meeting Client Requirements for over 15 years

Energy Efficient Zone Control

32 Zones

- Multiple SP & Time Slot Scheduling
- Multiple Season Scheduling
- Programmable Boost Heat
- Advanced Mode Control
- Built-in Legionella Control
- Boost Heat in Cost efficient Tariff Periods
- Stop & Disable Zone Control
- Heat Source Prioritization
- Weather Compensation
- Auto Optimization
- Historical Log
- More...



Simple Operation at Sensor

- Simple 3 Button Sensor Operation
- Single Touch Temperature Control
- Single Touch Mode Control
- Sensor Lockout
- Individual Zone Labelling

Integrated Heating & Cooling

Integration of 3rd Party Devices

Configuration

Wood Floor Protection

- Wood Floor Protection
- Initial Heat-up Sequence
- Relative Humidity
- Dew Point
- (Bs En 1264 4 2001).

Neworking

- Modbus Master (RS485)
- Modbus Slave (RS485)
- REST api (Ethernet)

Alarms

- SMS & Email

App - Remote Control

- Complete control of system
- Multiple Device platforms
(android, ios..)
- Attended and Unattended Access
- encryption 128-bit AES

App - Central Management

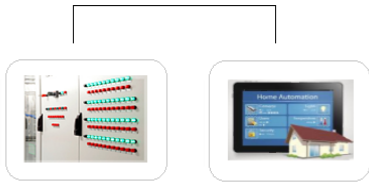
- Distributed Control
- Nursing Homes, Schools, Hotels...

App - Project Management

- Desktop Creation of Project
- Engineering Drawings
- Cloud Storage of Project
- Project Update (local and remote)
- App update (local and remote)

Integration

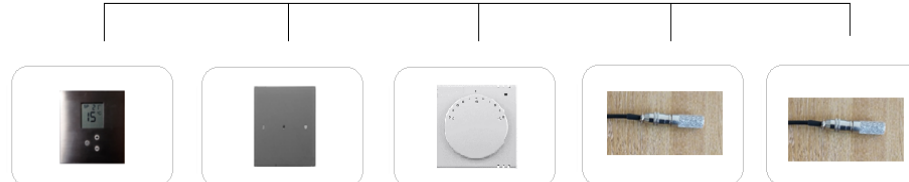
Management Systems



BMS

Home Automation

Environment Control



Temperature
Digital Sensor

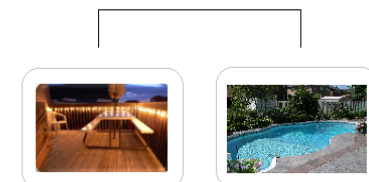
Tempertature
Plate Sensor

Dial Stat

Relative Humidity

Dew Point

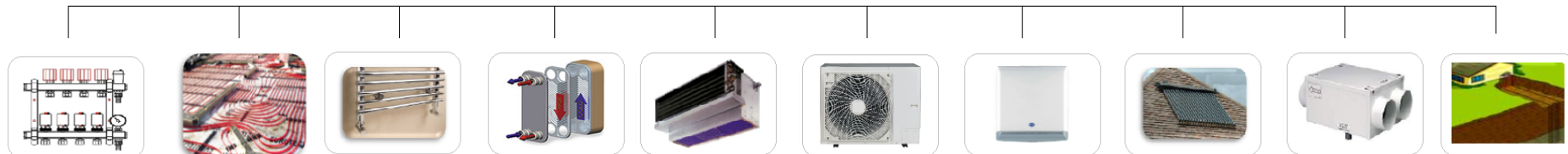
Ancillary Systems



Lights

Pool

Heating & Cooling Exanages



Pumps
Actuators
Valves

UFH

Radiators

Plate Heat
Exchanger

Fan Coil

VRF

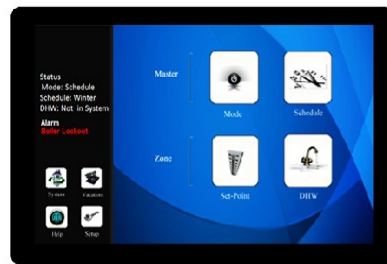
Boiler

Solar Panel

Heat Recovery
Ventilation

Heat Pump

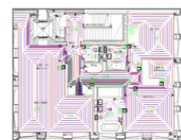
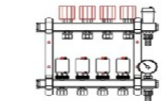
Configuration



cc200HV5

Integration Details
Site: Mount House
Location: Guernsey
Project: Domestic

RS485 (Modbus)



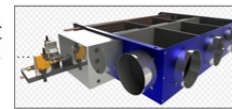
Underfloor Heating



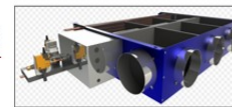
Daikin VRF (ASHP)



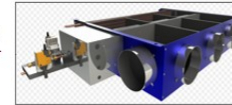
0-10VDC



0-10VDC



0-10VDC



Ability FCU



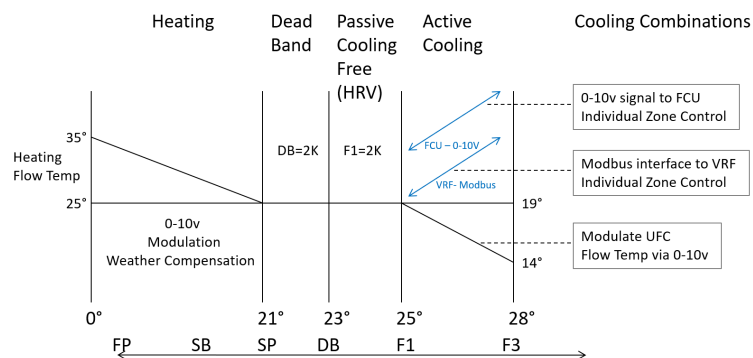
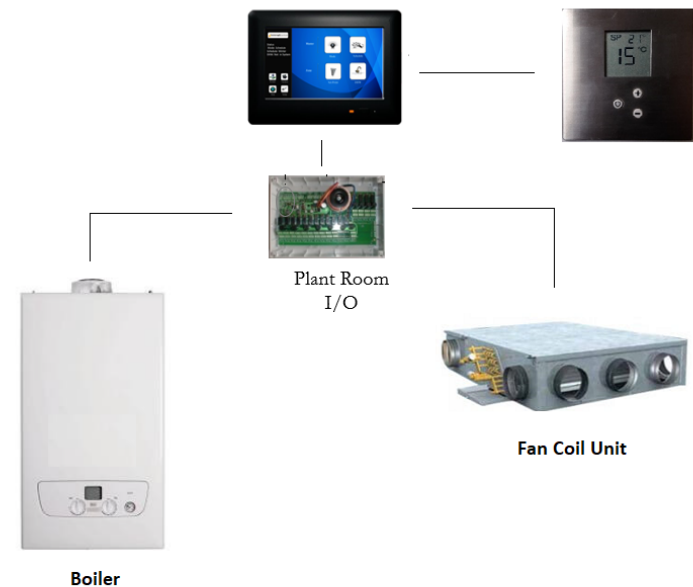
Daikin VRF Heating & Cooling

Seamless Heating and Cooling

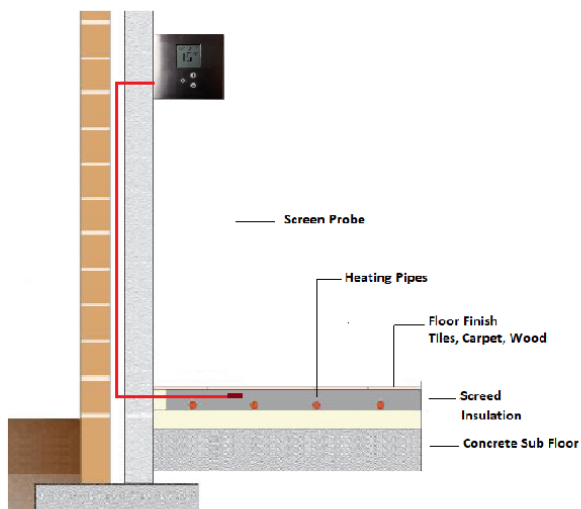


Single Point Control

Heating and Cooling is fully and seamlessly integrated into a single control point at the sensor. Control involves the press of the up and down buttons



Protection of Wooden Floors



Initial Heat-Up Sequence

The Initial Heat-up sequence is carried out over 21 days after the laying of cement screed or, in accordance with the manufacturer's instructions but at least 7 days in the case of anhydrite screeds.

(Bs En 1264 4 2001).

Continuous Monitoring

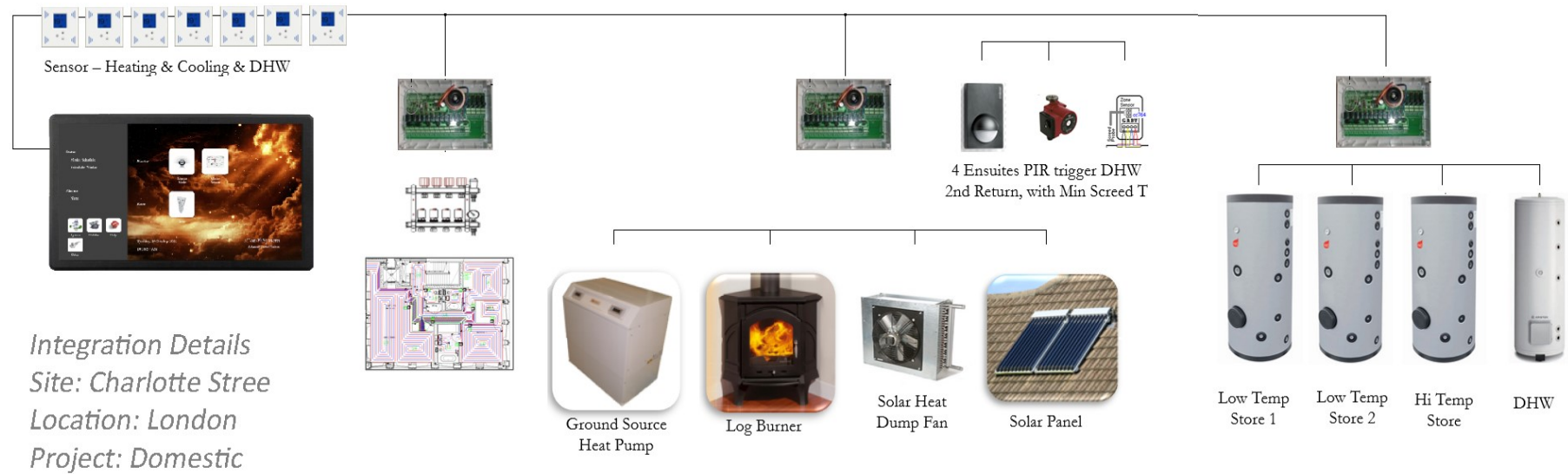
Screed probes protect wooden finishes by continuously monitoring the screed

Relative Humidity & Dew Point

Big increases in humidity can affect wood floors badly. Depending on the floor type, manufacturers recommend humidity be kept between 40-70%RH



Prioritized Heating



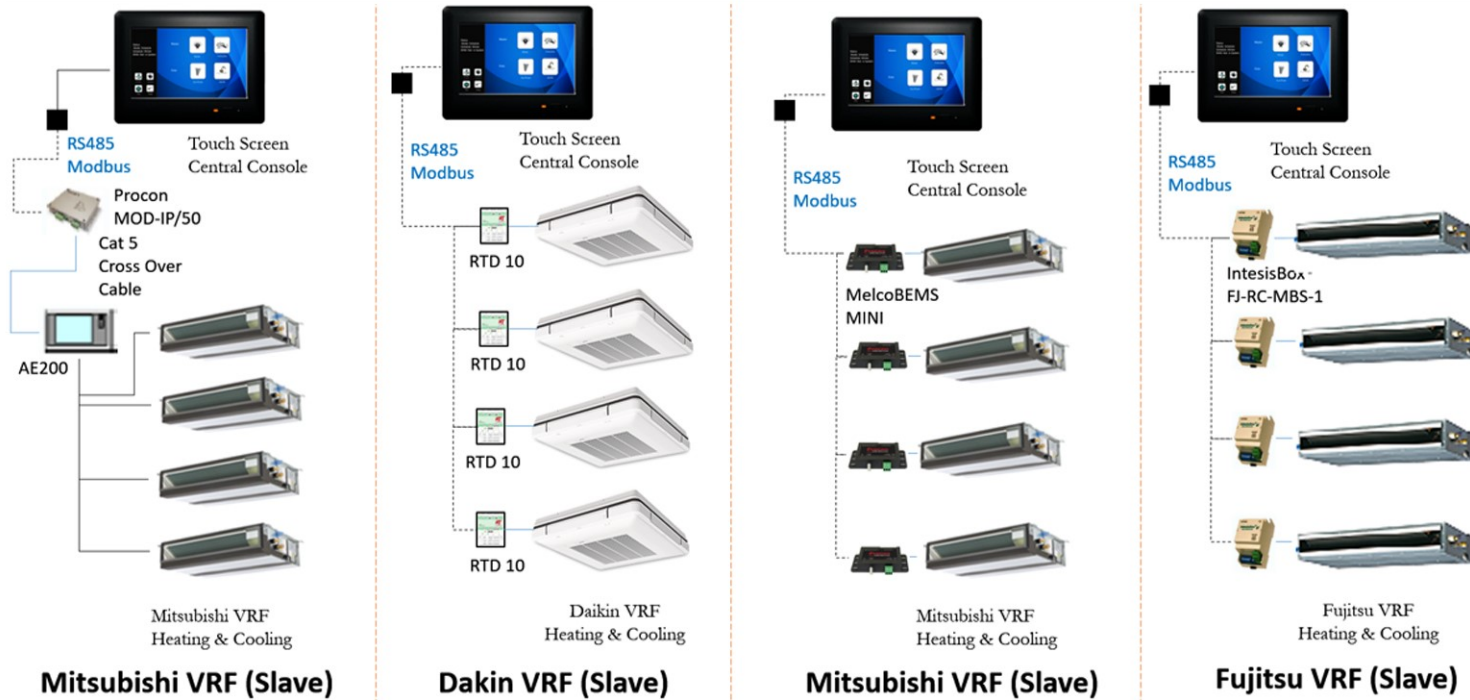
Alarms

Triggers
Digital Input
Relay Output
(Relay Outputs
driven by
programmable
configurations)

Display Alarm



VRF



App - Remote Access

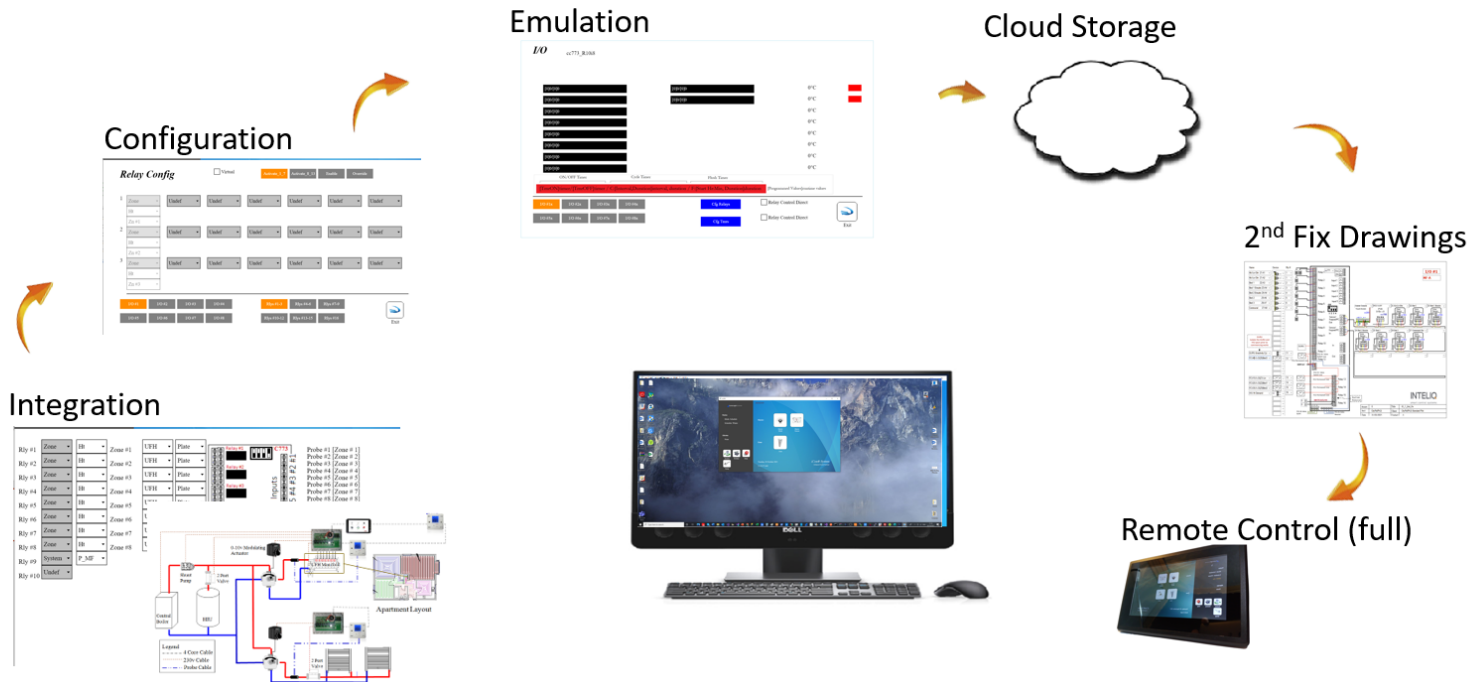


App - Central Management



Integration Details
Site: Marino University
Location: Dublin
Project: Commercial

App - Project Management





Criosu Controls Ltd

<https://CriosuControls.com>

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Sales@CriosuControls.com

