

iCon Touch Screen Console (Model CC-200-H2-CE7)



Technical Specification

Model

Model	CC-200-H2-CE7
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User Interface

Screen	TFT
Interface	Touch Screen
Colour	WSVGA Full Colour
Window Area	180mm (7.0 inch)
Screen Dimensions	150mm x 90mm
Resolution	480*800 pixels
Format	Wide Screen 16:9
Brightness	300 cd/m ²
Backlight	LED
Indicators	DC Power ready
Audio Outputs	Speaker (1.2W)

Communications

Remote Access	LAN Ethernet Port + WI-FI wireless: On-board wireless 802.11b/g/ module.
System Interface	RS485
Protocol	Bespoke Specification

Mechanical

External Dimensions	200mm(L) * 151mm(W) * 48mm(D)
Weight	516g
Material	ABS
Mounting	Wall Mounted -Recess Magnetic Bracket supplied

Electrical

Supply Voltage	12VDC
Power Requirement	7 watts
Max Distance From I/O	15 Meters (Using 4 core alarm cable 24awg) Above 15m, install 12v adaptor at TS (230v socket required)

Mother Board

Processor	TI 3352, 600MHz processor
Operating System	Windows-CE7 embedded operating system
Memory for OS	4GB Flash ROM + 512MB DDR3 RAM

I/O Ports
Ports

USB	2* USB 2.0 ports 1* USB mini
RS485	1* 4 way Terminal Block
RS232	2* 9 Way D -Type
Network	1* RJ45
Power	1* 4 way Terminal Block
Card Reader	1* Card Reader slot for Micro SD Card Slot
SIM	SIM Card Slot (For mobile subscriber identity)

Environment

Standard	CE
Ambient Temperature	0-40°C
Ambient Humidity	0-90% RH non -condensing
Touch screen lifespan	1 million touches at single point
Back Light MTBF	20,000 Hr (Screen Saver Set 10min)
IP rating	IP23

Standards

Standard	CE
	EN 55030:2012+AC: 2013
	EN 61000-3-2: 2014
	EN 55024: 2010
	ISO7637-2

Console Features

System Feature List

Central Control	Central control of all heating / cooling & Hot water elements
Zones	32
Zone Types	Ufh, Radiators, DHW
Scheduler	7 Day, 5/2 Day 24 Hours,
Multiple Set Point	Max 5 per zone
Typical Operations	Typical operations require one / two keystrokes
Zone Labelling	Zone labelling and edit facility
Senor Lock Out	Facility to lock out button , (public area etc)
4 Modes of Operation	Mode 1: Timer Mode: Heating & DHW follows schedule; Mode 2: Heating All OFF (Set Back) ; DHW follows schedule; Mode 3: Heating All ON (Set Point); DHW follows schedule; Mode 4: Heating All OFF (Set Back) ; DHW OFF;
Master Season Setting	4 Season setting inc Vacation and custom
Copy & Paste Schedule	Copy schedule between zones
Hot Water Boost	HW key Boosts DHW (1/2/3 Hours timeout)
DHW Temperature Control	DHW temperature time & Temp control
Energy Saver Scheduling (BH)	Take advantage of low cost tariff periods
Floor Temperature Limit	Protect specific floor covering (Max & Min Screed Limits)
Optimization	4 Curve Setting including an automatic learning mode
Fault Tolerant Design	Thermostat failure does not interrupt system operation
Watch Dog Timer	Automatic built-in reboot for lockup
Telephone Interface	Vacation Mode
Cooling	Cooling with individual zone cooling and adjustable Deadband
Frost Protection	Built in frost protect
Extensive diagnostics	Correct certain electrical mistakes
Eng Password Protection	4 Digit
Historical Log	2 Yr History Period Selection Individual Zone or all Zone comparison Data Presentation: Graphical Pie Chart or Table Data Format : Percentages or On Time (Hrs)

Console Features – Optional Extra

Optional Extra List

Configurable:	Tailored to suite your project
Weather Compensation	Standard or Advanced using Config PV
Configurable PV (0-10v o/p)	Set Up e.g. Multiple Weather Comp, Cooling via ufh,etc
Time Delay & Pump Cycle	Configurable Time On Delay & Overrun & Pump Cycle
Cooling Integration	Individual Zone cooling control with Deadband FCU controls via 01-0v o/p
Remote Access	Remote control over the internet from any location.
Electrical Metering	Optional Interface : Electrical Metering Usage.
BMS Interface	BMS Interface via MODBUS Inc Alarm status feedback
PC Link	PC Controls

Please note:

Comeragh Controls employs continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest revision.

Doc Version 11.0
 Doc Release Date 28-5-18

