Audio Settings:

Make sure your output selection is your computer speakers.

To Ask a Question

TEMPERATURE CHECK

Two Million Lines of Code:
75F's New Software & Services

User App

Facilisight

75F® Central Control Unit™

75F® Sensors™
• Temperature
• Humidity
• CO$_2$
• VoC
• Occupancy
• Light
• Sound
• Pressure
• ...and more

75F® Smart Node™

Integrated sensors measure all the parameters required for a WELL building

User App

Facilisight

75F® Central Control Unit™

75F® Sensors™

75F® Smart Node™

Controls Equipment
- Dampers
- VAV
- VFD
- Lighting
- Mixing valves
- Pumps
- ... and more

Software-Defined Hardware adapts and controls a variety of equipment
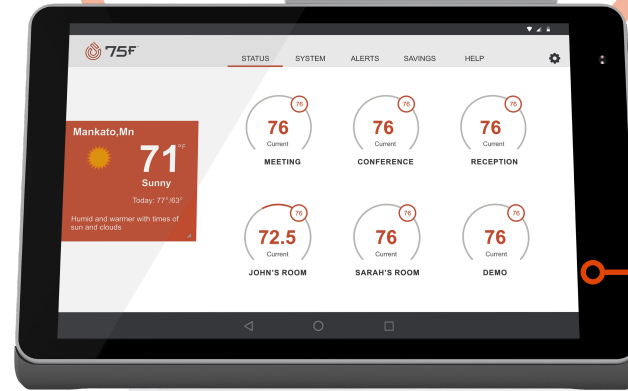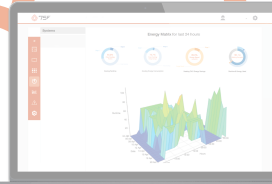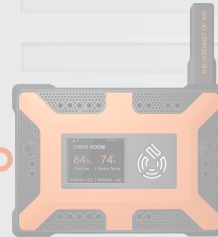
CHRIS ROOM

84% 74°F
Damper | Room Temp

Airflow1- 52 | Airflow2 - 48

THE INTERNET OF AIR

User App

Facilisight

75F® Central Control Unit™

75F® Sensors™
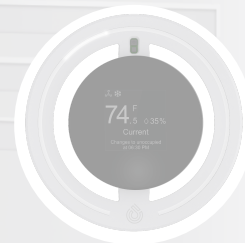
75F® Smart Node™

User App
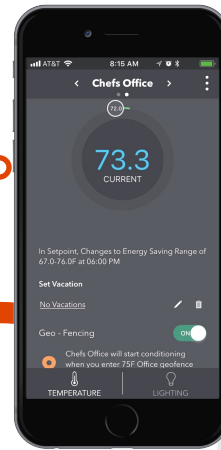
Facilisight

75F® Central Control Unit™
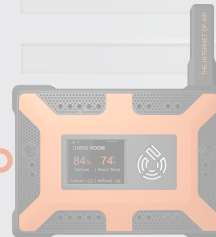
75F® Sensors™
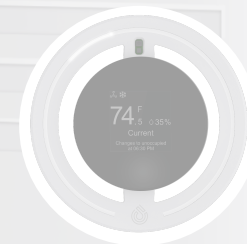
75F® Smart Node™

Cloud-based Machine Learning optimizes algorithms and provides remote access and analytics

User App

Facilisight

75F® Central Control Unit™

75F® Smart Node™

Controls:
• Dampers
• VAV
• WSHP
• Fan coils
• Unit heaters
• Mixing valves
• Pumps
... and more

75F® Sensors™
• Temperature
• Humidity
• CO_2
• VoC
• Occupancy
• Light,
• Sound
• Pressure
• ...and more

**Complete,
Turnkey,
out-of-the-box
solution**

AHU

VAV

CV

VFD

VFD

Step Motor

COMPLEX

1,000   SQUARE FEET   1,000,000
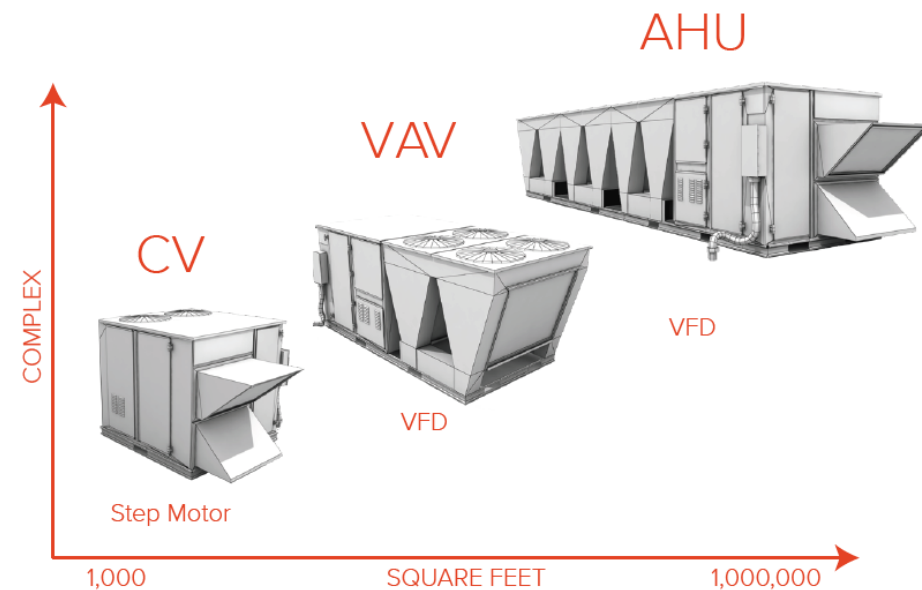
Scales from 10K to 1M+ sq. ft.

Machine
Learning

User App

Facilisight

Applied
IoT

75F® Central
Control Unit™

75F® Smart Node™
Controls:
• Dampers
• VAV
• WSHP
• Fan coils
• Unit heaters
• Mixing valves
• Pumps
... and more

75F® Sensors™
• Temperature
• Humidity
• CO_2
• VoC
• Occupancy
• Light,
• Sound
• Pressure
• ...and more

Operational Efficiency

- Portfolio Energy Analysis
- Space management
- Energy Savings
- Equipment Lifecycle
- ...
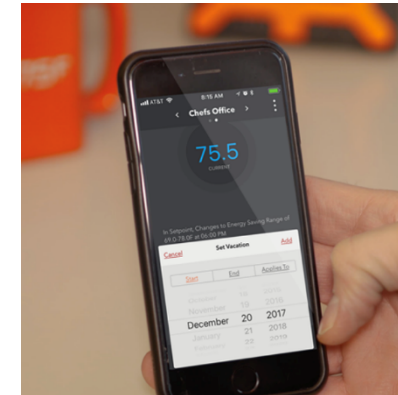
Occupant Experience

- Temperature
- Indoor Air Quality
- Lighting
- ..

Central Air Handling Equipment Options

Staged RTU
– By default the system is setup as 2 stage cooling, 2 stage heating, 2 stage fan

DAB Staged RTU ▾

	ENABLE		MAPPING	TEST SIGNAL
		Relay-1	Cooling Stage 1 ▾	OFF
Y1		Relay-2	Cooling Stage 2 ▾	OFF
Y2		Relay-3	Fan Stage 1 ▾	ON
G1				
W1		Relay-4	Heating Stage 1 ▾	OFF
W2		Relay-5	Heating Stage 2 ▾	OFF
G2		Relay-6	Fan Stage 2 ▾	OFF
AUX		Relay-7	Dehumidifier ▾	OFF

Fully Modulating AHU
– CCU provides 3 separate analog voltage signals that control the operation of the RTU
– Separate signals for cooling, fan speed, heating, VFD enable

DAB Fully Modulating AHU ▾

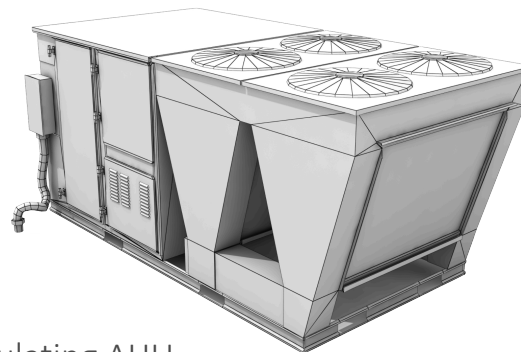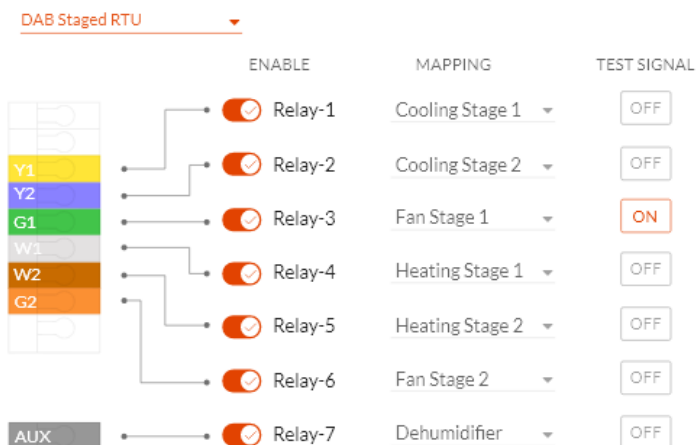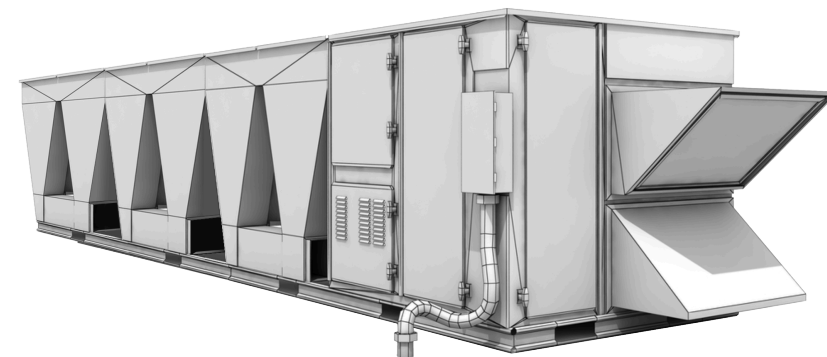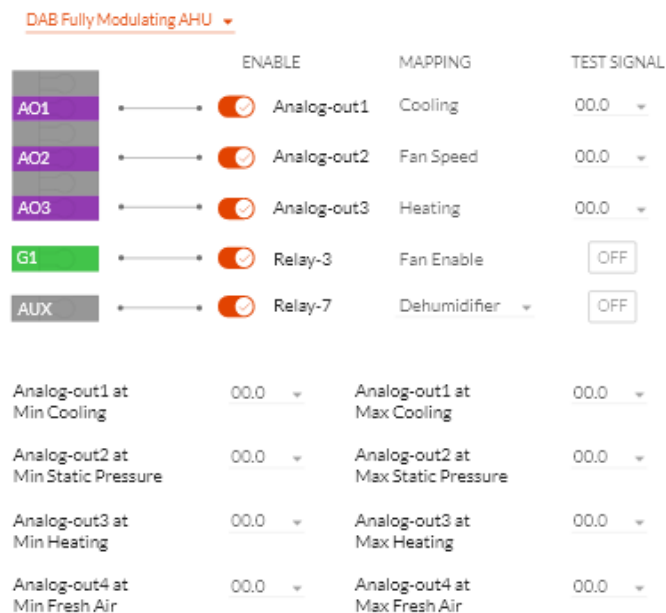|	ENABLE		MAPPING	TEST SIGNAL
AO1		Analog-out1	Cooling	00.0 ▾
AO2		Analog-out2	Fan Speed	00.0 ▾
AO3		Analog-out3	Heating	00.0 ▾
G1		Relay-3	Fan Enable	OFF
AUX		Relay-7	Dehumidifier ▾	OFF

Analog-out1 at Min Cooling	00.0 ▾	Analog-out1 at Max Cooling	00.0 ▾	
Analog-out2 at Min Static Pressure	00.0 ▾	Analog-out2 at Max Static Pressure	00.0 ▾	
Analog-out3 at Min Heating	00.0 ▾	Analog-out3 at Max Heating	00.0 ▾	
Analog-out4 at Min Fresh Air	00.0 ▾	Analog-out4 at Max Fresh Air	00.0 ▾	

Advanced Hybrid AHU

DAB Staged RTU - VFD Fan ▾

	ENABLE		MAPPING	TEST SIGNAL
		Relay-1	Cooling Stage 1 ▾	OFF
Y1		Relay-2	Cooling Stage 2 ▾	OFF
Y2		Relay-3	Cooling Stage 3 ▾	ON
G1				
W1		Relay-4	Heating Stage 1 ▾	OFF
W2		Relay-5	Heating Stage 2 ▾	OFF
G2		Relay-6	Heating Stage 3 ▾	OFF
AUX		Relay-7	Cooling Stage 5 ▾	OFF
AO2		Analog-out2	Fan Speed	00.0 ▾

Analog-out2 During Economizer	00.0 ▾	Analog-out2 During Recirculate	00.0 ▾	
Analog-out2 During Cool Stage 1	00.0 ▾	Analog-out2 During Cool Stage 2	00.0 ▾	
Analog-out2 During Cool Stage 3	00.0 ▾	Analog-out2 During Cool Stage 4	00.0 ▾	
Analog-out2 During Cool Stage 5	00.0 ▾			
Analog-out2 During Heat Stage 1	00.0 ▾	Analog-out2 During Heat Stage 2	00.0 ▾	
Analog-out2 During Heat Stage 3	00.0 ▾	Analog-out2 During Heat Stage 4	00.0 ▾	
Analog-out2 During Heat Stage 5	00.0 ▾			