

CONTROL SOLUTIONS



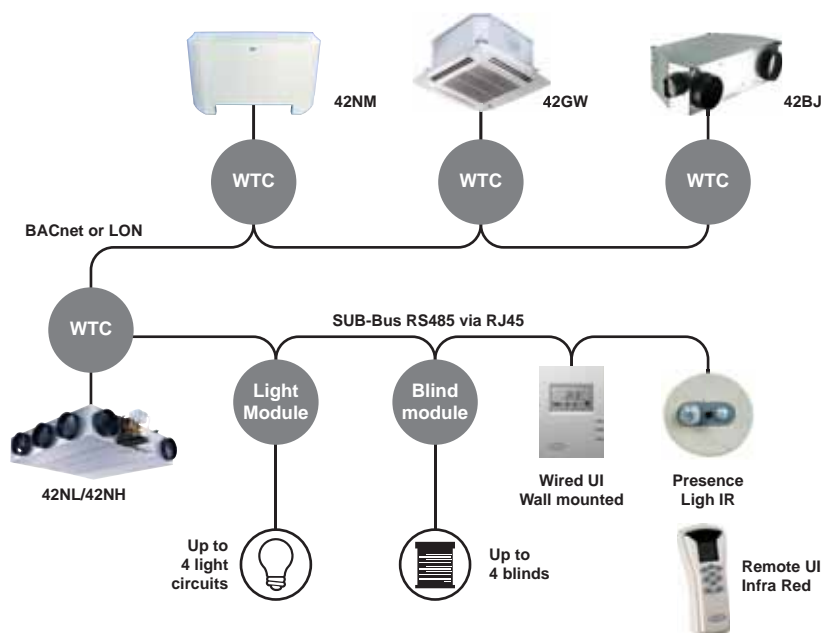
WTC Controllers

With Carrier's specific control algorithms, the Water Terminal Controller (WTC) combines best-in-class comfort solutions together with high energy efficiency management.

Designed for a variety of configurations and offered in a wide range of user interfaces, the WTC can fit every application and every need.

CONTROL ARCHITECTURE

A variety of configurations for every application



FEATURES AND ADVANTAGES

- **High efficiency:** The WTC's energy saving algorithms control fan speed and manage water operation in parallel achieving optimal energy consumption whilst ensuring there is no resulting loss in comfort for occupants.
- **Easy installation:** The WTC is compatible with the full Carrier fan coil range. For customers and installers the same controller simplifies and eases installation and service operations whilst covering a wide range of hydraulic system types and applications. The WTC is factory installed on the terminal fan coil before factory testing of each individual terminal. As result, field installation is extremely simple.
- **Variety of configurations:** The controller can operate as either a standalone control, command and follow function for open spaces, or at the heart of a building management system.
- **User friendly user interface:** The user interface is available in a variety of configurations: no display, LCD display, temprature sensor, lights and blind control, etc.

ADVANCED FUNCTIONS

- **Low Energy Consumption (LEC) variable speed control:** The WTC can drive the fan speed continuously within a configurable range for optimal thermal and acoustic comfort.
- **Modulating hydraulic control:** The WTC controls both floating and fixed-point value actuator types (230V on-off and 230V three point).
- **Demand controller ventilation (DCV) & IAQ management:** on fan coils equipped with CO₂ sensors and fresh air dampers, the WTC can adjust the amount of fresh air admitted to the room, as required by the occupants.
- **Lights and blind management modules:** The WTC supervises the interconnection of light modules & blinds modules, allowing the user to improve local comfort control with the same user interface as HVAC system.

ROOM CONTROLLER - USER INTERFACE

Large choice of Room Controllers



Infrared Remote Control and receivers



HVAC



HVAC + lights/Blinds



A range of user interfaces to meet all needs

	Room Control Interface			Infrared Remote Interface	
	WTC-RCI-S	WTC-RCI-SF/SQF	WTC-RCI-D/DC/DM/DCM	WTC-IR	TC-IR-LB
Temperature sensor	✓	✓	✓		
Set-point offset		✓	✓	✓	✓
Fan speed	✓	✓	✓	✓	✓
With or without occupancy function		✓	✓	✓	✓
Operating mode		✓	✓	✓	✓
Light & blind control			✓		✓
Power supply from WTC	✓	✓	✓		
Quick connection	RJ45	RJ45	RJ45		
Local service tool			✓		
With or without motion sensor			✓		
LCS display			✓	✓	✓
Infrared receiver with status (LED & BUZZER)				✓	
Infrared receiver					✓