



Control modules

Centralised management of
Water chillers
and
Heat pumps



MultiCONNECT

The **MultiCONNECT** centralised control unit manages up to eight water chillers or heat pumps on a single water loop controlled by CONNECT and/or Xtra CONNECT modules.

PRODUCT RANGES MANAGEABLE WITH MultiCONNECT

Multi Connect

Connect



- aquaciat2*
- dynaciat*
- aquaciat^{power}*
- aquaciat_{grand inverter}*

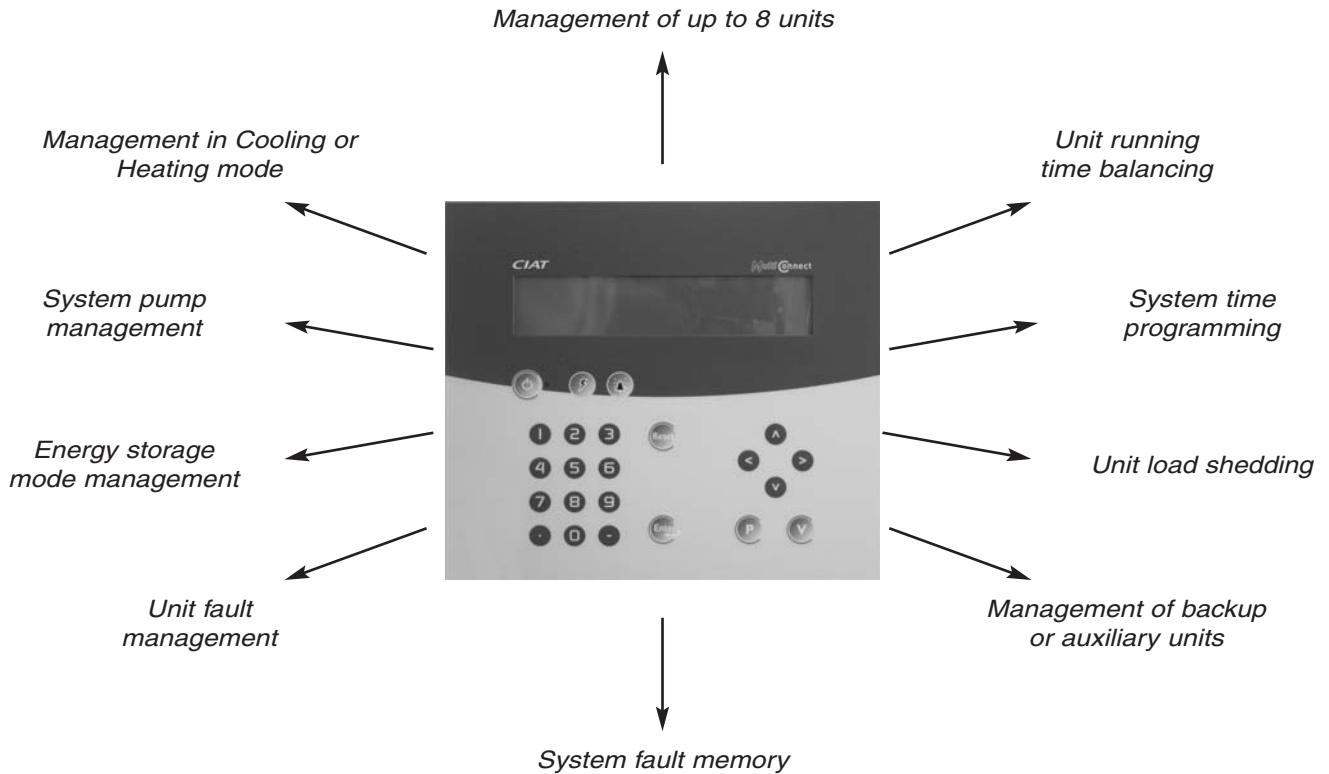


Xtra Connect



- powerciat*
- hydrociat*

MAIN FUNCTIONS



OPERATING PRINCIPLE

The MultiCONNECT module controls the water loop and sends the following information to each unit:

- On/Off
- Heating/Cooling mode
- Control setpoint
- Load shedding

The MultiCONNECT unit displays general information on the status of each controlled unit. Further details are displayed on each individual unit.

The following information is sent by each unit's controls to the MultiCONNECT unit:

- Unit faults per circuit
- Time counters
- Individual unit status (On, Off, fault, load shedding, etc.)

BENEFITS OF MULTICONNECT MANAGEMENT

■ Simplicity

MultiCONNECT manages installations efficiently and with ease, enhancing unit performance and providing a comprehensive solution for system control.

■ Performance

MultiCONNECT coordinates up to 8 units, for a total available pressure of 8 mégaWatts.

■ Durability

MultiCONNECT enhances the operation of each unit and balances out the entire system load. As the units are put under less strain and are managed better, they break down less often and have a longer service life.



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■ Time-saving

Thanks to its intelligent control and permanent checking of the units, MultiCONNECT helps make building managers more efficient.

■ Flexibility

MultiCONNECT manages up to eight chilled water production units or air or water-cooled heat pumps. A single MultiCONNECT unit is sufficient for most systems. Systems already equipped with CONNECT and Xtra CONNECT control units can be automated with MultiCONNECT.

■ Energy-saving

MultiCONNECT enhances the system's energy efficiency by ensuring effective, steady and consistent operation.

■ Control mode selection

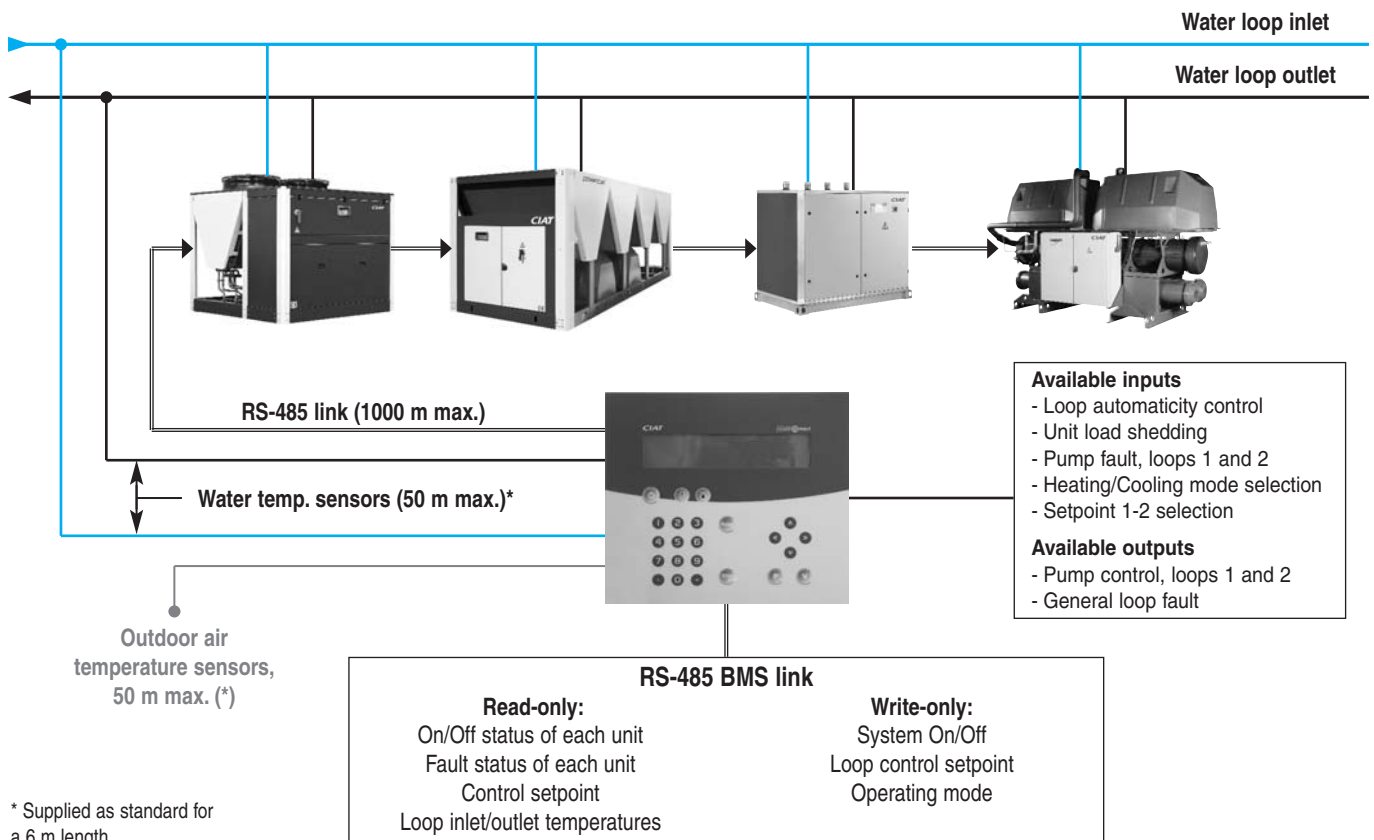
According to demand, MultiCONNECT makes the following types of control possible:

- Water return
- Water supply
- Water law based on outdoor temperature
- Energy storage mode management (Cristopia modules, in particular)

■ Interactivity

Each standard version of MultiCONNECT features an extra RS-485 link for communication with any type of Building Management System via Modbus/Jbus open communications protocol.

SCHEMATIC DIAGRAM



* Supplied as standard for a 6 m length.
Kit of 2 pockets supplied for water temperature sensors.