



DT400

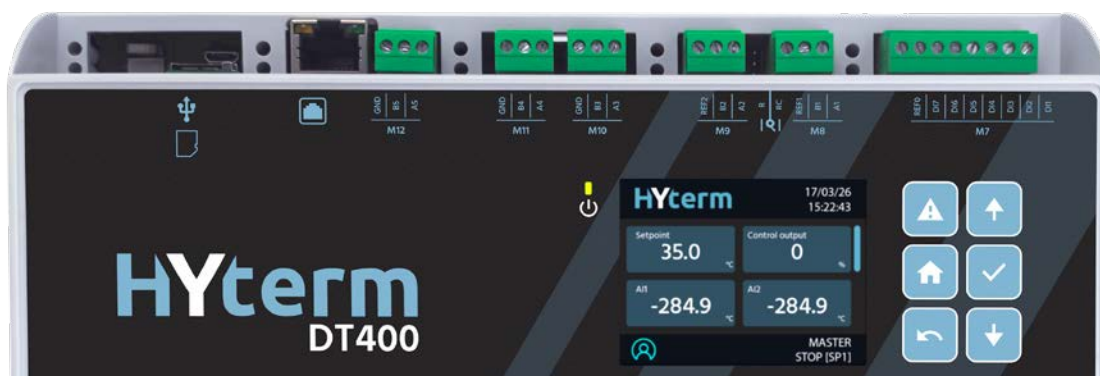
A new way to data center efficiency

Ensuring proper air conditioning in data centers is imperative for an efficient functioning of Information Technology equipment. Processing and storage devices generate substantial heat, that needs to be removed to maintain optimal operating conditions.

The global energy consumption of data centers is constantly increasing, driven by fast-growing markets such as IoT and artificial intelligence. Due to this significant level of energy consumption, there is a high demand of energy saving solutions.

DT400 is an advanced controller designed for the speed regulation of electronic fans mounted on drycooler, specifically developed for the efficient and reliable thermal management of Data Centers.

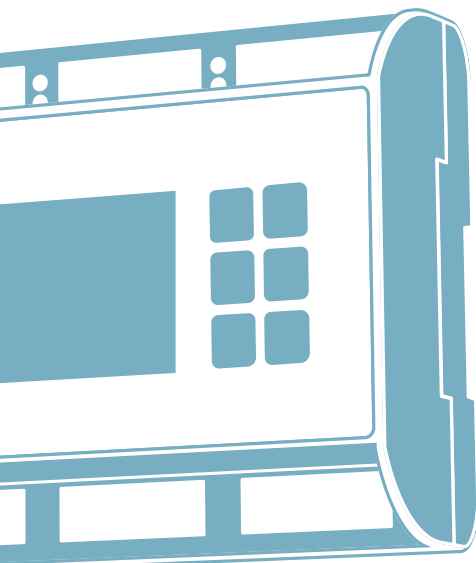
DT400 extends free-cooling operation and maximized efficiency ensured by our expanding module, designed for the control of all types of adiabatic systems.





DT400 has advanced features to meet the specific needs of each data center:

- Based on a modern platform equipped with a latest generation processor, it allows the on-site update of the FW thanks to the built-in USB port;
- It has one Ethernet port with integrated MODBUS TCP/IP or SNMP protocol;
- Fans are managed via MODBUS, so that all operating data are available for the supervision system;
- Carefully studied control algorithms reduce water consumption of adiabatic system;
- It manages energy and water consumption, thus optimizing operating costs;
- It natively integrates a Plug & Play connection to gateways IIoT GR allowing monitoring and assistance to the drycooler anywhere in the world;
- Five password-protected access levels;
- On request it can control system elements such as pumps or three-way valves.



DT400 is highly configurable to meet each specific data center need: (Available options)

- Switching power supply with wide input voltage range;
- Uninterruptible power supply (UPS) or ultra-capacitor;
- Dual power supply or automatic transfer switch (ATS);
- TFT Graphic Display or 7" Touch screen display;
- Bluetooth connection and free Application HyCo;
- Expanding module designed for the control of Spray or PADS adiabatic system;
- Energy meter and water meter;
- Bacnet, LonWorks, Profinet protocol converter;
- Environment temperature and humidity sensor;
- Ethernet switches 10/100BaseT(X) 5xRJ45 connector.