



Temperature Measuring System ICA6001

The ICA 6001 system is a temperature and RH only version of our ICA6000 control system that is used in Controlled Atmosphere fruit or vegetable storage rooms throughout the world.

It is an extremely flexible system designed primarily for temperature measurement within cold stores. It is configured to meet the needs of each application and has a capacity for up to 336 sensors. It is configured with a capacity for up to 6 temperature probes and 6 RH probes in each of up to 56 rooms.

The probes are connected to remotely placed input modules with each module having a capacity of 24 inputs. Additional modules can be added at any time thus permitting expansion when required.

The standard temperature probe is the ICA28 giving a range of -10 to + 40 deg C (or 14 to 104 deg F) with an installed accuracy of better than 0.2 deg. These probes are very widely used in the fruit storage industry and can be installed over 100m+ without degrading the accuracy or needing site calibration.

For low temperature applications the ICA6405 probe can be used with a measurement range of -45 to +24 deg C (-49 to + 77 deg F) and an accuracy better than 0.3degC

The humidity input is 4-20mA for 0-100 % RH and it can be used with a large variety of proprietary RH sensors. We recommend and use Vaisala RH sensors for most of our projects.

The ICA6001 can be connected by MODBUS to Dixell refrigeration temperature controllers and can display and permit remote set point adjustments.

The operation of the ICA6001 is from a colour touch screen controller which permits all readings and setting adjustments to be easily made. This screen can also be accessed remotely on a connected PC or mobile device. The ICA6000 is connected to a standard Ethernet network and has its own IP address for connection to a wired or wireless network and through a broadband internet connection using industry standard IT techniques.

There is additional .NET software available to use on a connected PC computer to provide full screen data displays and tabular and graphical reports which can be stored and exported in many common data formats.

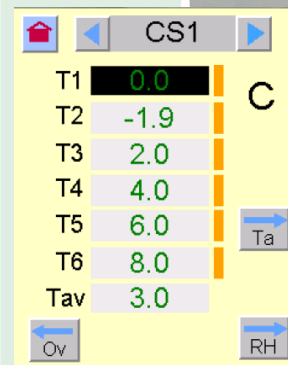
Alarm alerts can be sent directly by email from the controller to a mail address of choice.

The modular design of the system is taken to another level with all the input modules interconnected with an industry standard CANbus network which uses a single twisted pair wire connection. This permits the simplification of the installation with substantial savings to be made in probe wiring.

For more information please ask for a copy of the manual and a detailed specification sheet.



Distributor :



- Simple operation.
- Designed for industrial cold store operation
- Up to 336 inputs
- High accuracy temperature measurement
- RH measurement option
- Connection to temperature controllers
- Connects to a standard Ethernet network
- Remote operation through mobile phones
- Email alarm alerts
- Graphical displays on networked PC computers

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