

FRESH as EVER

Conserve The Fruit, Save Energy

Fruit & Vegetable Mid/Long-Term Conservation Solutions



FRESH as EVER

Fruit & Vegetable Mid/Long-Term Conservation System Hardware

DIXELL™

iProGenius Platform



SPECIFICATIONS	SMALL	LARGE	CUSTOM
PHYSICAL PROPERTIES			
Format	4 DIN Ray	10 DIN Ray	Related to the customization
Display	Selectable	Selectable	Selectable
Power Supply	24Vac/dc	24Vac/dc	24Vac/dc
Probe inputs	6 configurable	10 configurable	Related to the customization
Optoinsulated digital inputs	11 configurable	20 configurable	Related to the customization
Configurable relay outputs	8x5A	15x5A	Related to the customization
Other Outputs			
0÷10V or 4÷20mA	4 configurable	2 configurable	Related to the customization
0÷10V		4	Related to the customization
RS485	present	max. 4	max. 4
USB	1xhost	up to 2xhost + 1 device	up to 2xhost + 1 device
RS232		optional	optional
LAN/RS485	present		present
CANbus		present	present
Ethernet	Via USB-ETH-CONV	present	present
WiFi		optional	optional
Other			
Real time clock	present	present	present
Flash memory	128MB	512MB	512MB
BACnet® protocol	optional	optional	optional

Display Options

Monochrom LCD



- LCD with 240x96 pixels
- Power supply: from controller
- On board temperature/humidity probe (optional)
- Visokey output
- Buzzer (optional)
- Wall or panel mounting

COLOR TOUCH



- Customizable TFT touch screen display
- 4.3" display - 480x272 pixels
- 256 (8 bit) colors
- RS485 output
- LAN port
- Buzzer
- Wall or panel mounting

PROBES & ACCESORIES



- Temperature probes and transmitters
- Humidity transmitters
- CO₂ transmitters
- Various ripening agent transmitters
- Various types of insert probes

Fruit & Vegetable Mid/Long-Term Conservation System Software

General Functions

- Thermoregulation,
- Humidification,
- CO₂ Level Control,
- C₂H₄ Level Control (optional),
- Complete Control of the Refrigeration Cycle (Split Units),
- Inverter Compressor Management,
- Digital Scroll Compressor Management,
- Condensation Management,
- Management of upto 3 Evaporators in a single Room,
- Synchronized functions for Multi-Evaporator Rooms,
- Advanced Energy Saving Functions,
- Compressor Safeties (thermal protectors, HPS/LPS, Phase Failure, Oil Switch etc.),
- Alarm Management & Notification via email or SMS,
- Periodically Generation of Food Quality & HACCP Reports,
- Easiest Remote Access to the System via Standard Web Browsers,
- Temperature Distribution Management & Alarms,
- Multilingual Touch HMI & Web HMI
- Remote Monitoring via Tablet, PC or Smartphone,
- Easy Diagnostic & Maintenance via Remote Connection,
- Live Energy Monitoring.
- Energy Efficient & Safer System Equipment.
- System with a Longer Mechanical Life.



Wi-Fi connection



max. 4 RS485



max. 3 USB



max. 512MB
flash memory

Web Monitoring



- Easy access through integrated web server.
- Live monitoring on the go.
- Same layout design for the mobile and standard devices
- Parameters access by remote connection
- Alarm monitoring
- Reduced service costs
- Live alarm notifications via email or SMS

Adapters (Optional)

USB-ETH-CONVERTER

USB-Ethernet adapter for iPro controllers in 4 DIN format



NANO-Wi-Fi

USB-Wi-Fi adapter for Wi-Fi network connection (only for 10 DIN format)



USB-RS485 CONVERTER

USB-RS485 converter (2 wires) which allows to monitor one or more controllers networked to a computer





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