



IMPERIUM STORAGE CONTROL

Control storage conditions
with the powerful, advanced
precision of IVI's **IMPERIUM**
Storage Control Panel

Multi-bay control from
just one touchscreen



Remote monitoring
gives you the power
to command—from
wherever you are.

- Global access to any storage site
- Control Humidifiers and Humidicell using time runs or changes in outdoor conditions
- Custom tailor your storage season using defined recipes
- Onboard service maintenance log
- Static pressure readout and control
- Custom label all sensors and their locations
- 10.1" color visual LCD touchscreen

IMPERIUM STORAGE CONTROL

Our stand-alone control unit easily and precisely manages storage climates by controlling fans, VFDs, evaporative coolers, humidification, heaters, refrigeration equipment, and Thermadoors.® Even in the most unfavorable external conditions, the Imperium can maintain temperatures within 0.1°F.

FEATURES AND BENEFITS

- **SIMPLE TO USE**
With the LCD color touchscreen, users can easily view current status of equipment operation and monitor and adjust system parameters. Menus make navigation from screen to screen quick and simple.
- **FLEXIBLE**
On-site history reports can log multiple data points, with adjustable increments. Trend temperature graphs and an event/failure log add to the Imperium's extensive operation and gap program record keeping.
- **PROTECTION**
Your crop is protected from unwanted disturbances by temperature alarms and equipment safeties. Isolation relays and optical isolated I/O's guard against spikes and surges reaching the computer board. An auxiliary low-limit device adds protection against product freezing.
- **CONVENIENT**
Imperium Remote Access Software allows you to monitor and control your system remotely, as if you were at the site. Supports Direct Connect, Wireless and Ethernet with web browser access via the Internet.
- **PROGRAM MONITORING & CONTROL FEATURES:**
 - Monitor and control relative humidity and the CO₂ to the desired levels
 - Multiple timed runs
 - User-defined recipes
 - Cooling and heating target setpoints
 - Timed setpoint CO₂ control
 - Two types of dehumidification controls
 - Two-stage burner control with curing economizer
 - Multiple bay master/slave control
 - Forced timed purges
 - Auto-failure callout
 - i-logic door control
 - Humidicell efficiency calibration
 - Refer economizer and bypass VFD control
 - VFD automatic control
 - Illuminated auto/manual override switches
- **REMOTE CONTROL APP**
Along with our software and internet access for remote monitoring and control, we offer an app for your iPhone, iPad and Android. Control your storage from wherever you are.

GENERAL SPECIFICATIONS

Computer Panel Power:	120 VAC 50/60 HZ
Max Load Current:	10 AMPS
Secondary Circuit:	4 AMPS @ 24 VAC; 4.2 AMPS @ 24 VDC
Overload Protection:	Circuit Breakers; 120 VAC 10 AMP, MOV 24 VAC 4 AMP Fuse, MOV
Operating System:	Intel Atom D2550 1.8GHZ Dual CPU; 2 GB 800 MHZ RAM, 32 GB Solid State Hard Drive, web-based Ethernet I/O modules
Display:	10.1" TFT-LCD 1280x800 resolution
Approvals:	ETL, UL 508A, UL 916, CSA



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