

V2 Onion Store Controller



Optimising energy efficiency and crop quality !

With ever-increasing energy costs and crop quality requirements, it is crucial that onion store management reduces energy use while optimising crop quality.

To achieve this, the new Vegtec V2 Onion Store Controller continually monitors duct pressure alongside crop air speed, temperature and humidity.

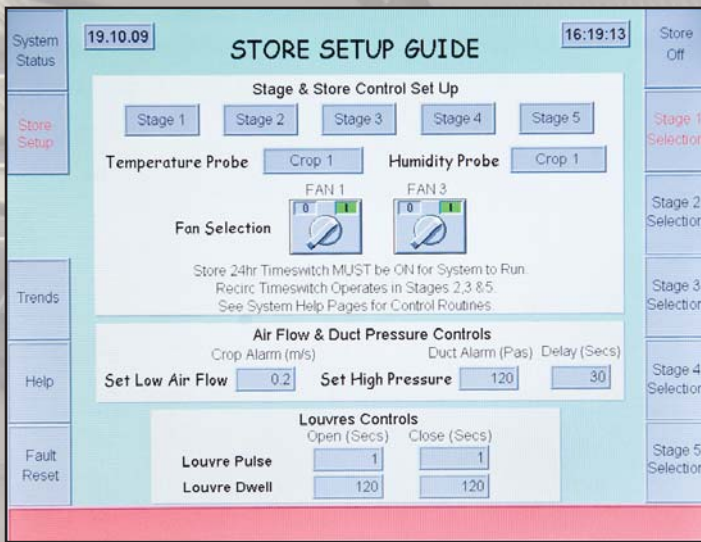
These measurements control variable speed fan motors to optimise air distribution, crop ventilation and energy usage during each curing/storage stage.

Utilising customisable software and a large full colour screen, the V2 Onion Store Controller is easy and intuitive to use - even on multiple stores.

- ✓ Optimise energy use !
- ✓ Improve disease control !
- ✓ Control multiple stores !
- ✓ Designed for growers !
- ✓ Simple store management !

Features:

- Data log and automatic trending
- Disease library and advice notes
- USB port and modem for data download and/or remote access
- Energy meter
- Operates up to 12 stores



Set-up screens

- “Store set-up” allows stage selection, allocation of fan(s) and priority sensors, alarm set points and louvre pulsing periods.
- “Stage 1-5” set-up allows duct and crop set points to be determined for each stage.
- All set-up screens have guidance notes to clarify set-up procedure.

Data screen

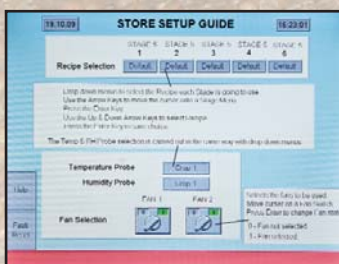
- Designed to simplify data recording and assimilation.
- Displays set points and actual values for duct/crop sensors, crop air speed and fan run time.
- Data is logged at a preset interval plus with a unique “capture” button to record each store visit.
- The main values can be graphed.

Time	Date	Duct Temp dgC		RH %		Pressure Pascals	Ambient Temp dgC
		Set	Act	Set	Act		
16:18	19/10/09	20.0	16.3	56.0	51.9	0	15.9
16:15	19/10/09	20.0	0.0	56.0	0.0	0	0.0

Time	Date	Temp Sensors dgC				Humidity Sensors %RH			
		1	2	3	4	1	2	3	4
16:18	19/10/09	16.4	20.0	20.0	20.0	52.9	0.0	0.0	0.0
16:15	19/10/09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Time	Date	1	2	3	4
		16:18	19/10/09	0.0	0.0
16:15	19/10/09	0.0	0.0	0.0	0.0

Time	Date	Hrs in Last 24Hrs		Total Hours	
		Fan 1	Fan 2	Fan 1	Fan 2
16:18	19/10/09	0.0	0.0	00:00	00:00
16:15	19/10/09	0.0	0.0	00:00	00:00



Help screens

- Details of controller layout.
- Assistance with general operation.
- Descriptions of the aims and settings for each curing stage.
- Full colour disease library to help identify disease symptoms and offering storage settings to minimise disease expression.

**For further details
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