

Operation of the 755 Using Stor-Trac and T-Trac



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Stor-Trac Farm View



All Bins Displayed on One Screen for All Farms associated with the Local Instance



Stor-Trac View



Notes, Fan Clock and Start-Stop Tiles



Stor-Trac View

NOTES	February 6 2020 3:33pm 2/3 Empty Hold where we are.
	Todd Forbush
	October 2 2020 9:39am
Submitted by: <u>notes history</u>	Chase Young
	October 24 2020 8:44am
	52 at .2 a day Chase Young
add note	October 30 2020 7:28am
	Gassed 10/29.

Mark Witzel

Notes Tile and Notes History



Stor-Trac View Fan Clock

FANCLOCK		
Time	13:49	
Fan Status	ON CLOCK	
Fan %	70	
Min	50	
Мах	75	
MaxDif Meas/Set	0.2	
details		

FANCLOCK			
Cycles Per Time:	Day:	3 13:50	
Start 0:00	Stop 23:59		Type FREE ❤
Start 11:00	Stop 19:00		Type FORC ∽
Start 19:01	Stop 23:59		Type FORC ✓

Use Alternating FORC and FREE Fan times as Potatoes use Less Air Inlet Place 755 in Stop to Turn Ventilation Off



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Equipment Hours



Your potatoes will tell you the story!

Air Inlets Opening Hours within 20% of Fan Time



Stor-Trac Classic View



755 Control As It Looks at the Cover



Settings for Cooling on a Curve



Plenum = Coupled, Set Curve to "Pile Fix", Set End at Desired Temperature (48.0 or 46.0 F)

Do Not Change the Plenum or Pile Set, Controller will Change This.

Once Pile Set is at End Temperature, Return to Holding Settings



Button 3 - Plenum Temperature

Plenum (Meas) - Shows the Actual Plenum Temperature

SetPoint - Shows Plenum Temperature Target Coupled = Calculated with offset from the Pile Temp Mode of Reaction Weak – 2F max difference pile to plenum Normal – 3F max difference pile to plenum Strong – 5F max difference pile to plenum

Free = User Set the Plenum Target Independent of Pile Temperature, Pile Target must also be set Curve = Plenum Target from Curve



Button 12 - Alarm Setpoints

1. MinTempPlen - shows the lowest temp allowed in the Plenum

Set at Pile Target – 3 degrees

2. MaxTemp Plen shows the highest temp allowed in the Plenum

Set at Pile Target + 6 degrees



Resetting Alarms

- a. Alarm value 10 and alarm message displayed
- b. Change alarm value to 7 = alarm temp off
- c. Correct reason for alarm
- d. Change alarm value to 5 = alarm cancelled
- e. If reason for alarm does not return after max delay, then change alarm value to 0 = alarm standby
- f. Setting alarm value to 8 or 9 disables all alarms!
- g. 755 has a history feature to view last 10 alarms





Button 5 - Start/Stop

- 1. Proper way to turn off/on system
- 2. Used up or down arrow and then "#" or "Edit" button
- 3. Phase setting –use HOLDING OR COOLING during season change to empty during offseason
- 4. Do not turn off controller completely during offseason







Stor-Trac Graph View





Setting Up Stor-Trac Graph View

	_
Select Sample-codes Control units 1.1 Bin 1 1.2 Bin 2 1.3 Bin 3 1.4 Bin 4 1.3(A) Bin 3 Rx 1.4 Tin ret Set <t< th=""><th></th></t<>	
Preference Export Data Erase selection Graph Cancel	

Create a Preference Graph in T-Trac



Setting Up Stor-Trac Graph View



Create a Preference Graph in T-Trac and Stor-Trac will automatically Use the Codes for a Graph



• Dry/Wet Comparison

100%	99%
Dry Bulb 36.8°	Wet Bulb 36.8°

- Remove wick from wet bulb sensor and allow to stabilize for 20 mins.
- Do they read the same temperature under Humidifier? i.e. Dry: 36.8 Wet: 36.8
- If not, how much apart?
 - Is wet bulb higher? Dry: 36.8 Wet 37.0
 - Will read 101% for the RH reading and humidifier will not run.
 - Recalibration required!!







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- Air Inlet reading too high or low vs setpoint.
 - Close inlet with manual switch & record reading
 - Does it close physically and read 0 or 1?
 - Open inlet with manual switch & record reading
 - Does it open physically and read 99 or 100?
 - If inlet does not move when using override switch- issue at actuator or door control box near inlet. Call Techmark with Multi-meter in hand.



- If closed and reading something other than 0 or 1, or when open and reading something other than 99 or 100, potentiometer is most likely cause of problem. Call Techmark with Multi-meter in hand.
- CO2 Sensor- Reading "#" sign or measurement is not steady.
 - Most likely will give an Alarm.
 - Call Smart Electric with Multi-meter in and to check supply voltage and output voltage.





A new version of Alarm Pro has been integrated into the StorTrac and SporTrac software. Farm administrators will have the ability to manage which bins will have alarms assigned to them, as well as which users will get those alarms. In addition to this, farm admins will be able to change the frequency in which alarms are sent out.



1.Begin by pressing the "Settings" button shown in the red box.



2.Once in the settings, press "View Users".



3.Find a user you would like to assign or modify Alarm Pro settings for by click on the "Edit" button next to their name.

Name: Test, Demo	Farms: Techmark-20 🕄	🖍 Edit
Email: demotest@techmark-inc.com		

4.Scroll down to the "User Access" section and press the blue "+" sign next to the company name to expand it.

User Access	0
Company]	View Change

5.Press the blue "+" again to expand the farm view.

View	✓ Change
View	✓ Change
armPro View	✓ Change
	rmPro View

6.The green arrow shows which bins are enabled to receive Alarm Pro alerts from and a red X shows when they are disabled. Press the Alarm Pro button next to the bin name to toggle.

User Access	9
Techmark, Inc. [company]	View View
Techmark Engineering [farm]	View Change
Carechmark-20 [farm]	' AlarmPro View Change
Bin 1 [unit]	'AlarmPro View Change
Bin 2 [unit]	'AlarmPro View Change



7.When the Alarm Pro button next to the <u>Farm Name</u> is green, it indicates that every bin in that farm is enabled. When it's a grey box, it indicates that there is a combination of enabled and disabled bin alerts.

User Access			0
Company]		View	✓ Change
Techmark Engineering [farm]		View	✓ Change
Carmark-20 [farm]	AlarmPro	View	✓ Change
Bin 1 [unit]	X AlarmPro	View	✓ Change
Bin 2 [unit]	✓ AlarmPro	View	✓ Change



8.You can click on this farm Alarm Pro button to toggle every bin in that farm for quick management.

User Access	Θ
Techmark, Inc. [company]	View View Change
Techmark Engineering [farm]	View View Change
Techmark-20 [farm]	X AlarmPro View View
Bin 1 [unit]	X AlarmPro View View Change
Bin 2 [unit]	X AlarmPro View View Change

User Access	Θ
Carl Techmark, Inc. [company]	View View
Techmark Engineering [farm]	View Change
Techmark-20 [farm]	View View
Bin 1 [unit]	View View
Bin 2 [unit]	View View Change



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9.When you are done adjusting the user settings make sure you scroll down and hit "Save Changes".

Delete User	Cancel	Save Changes

10. When the settings have been saved, scroll up to the top and press "Exit Settings".

Stor-Trac Settings			C Exit Settings
My Profile	Users / Demo Test		
View Users			
User Audit Trail	Last Login: Never	ame: Demo Test st Login: Never	
App Version History			
Get Support	First name:	Demo	



Adjusting Alarm Pro Alert Frequency

1.Press on the gear icon on your farm's banner to get to the farm's settings



2.Press on "Alarm Pro" settings





3.From here you can change the frequency of alerts and see the list of users and their emails

AlarmPro		
Repeat every 15 • minutes		
User	Contact	

Questions?

For questions, concerns, or suggestions, please email or call: seffa@techmark-inc.com 517-322-0250





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