

Programming Guide

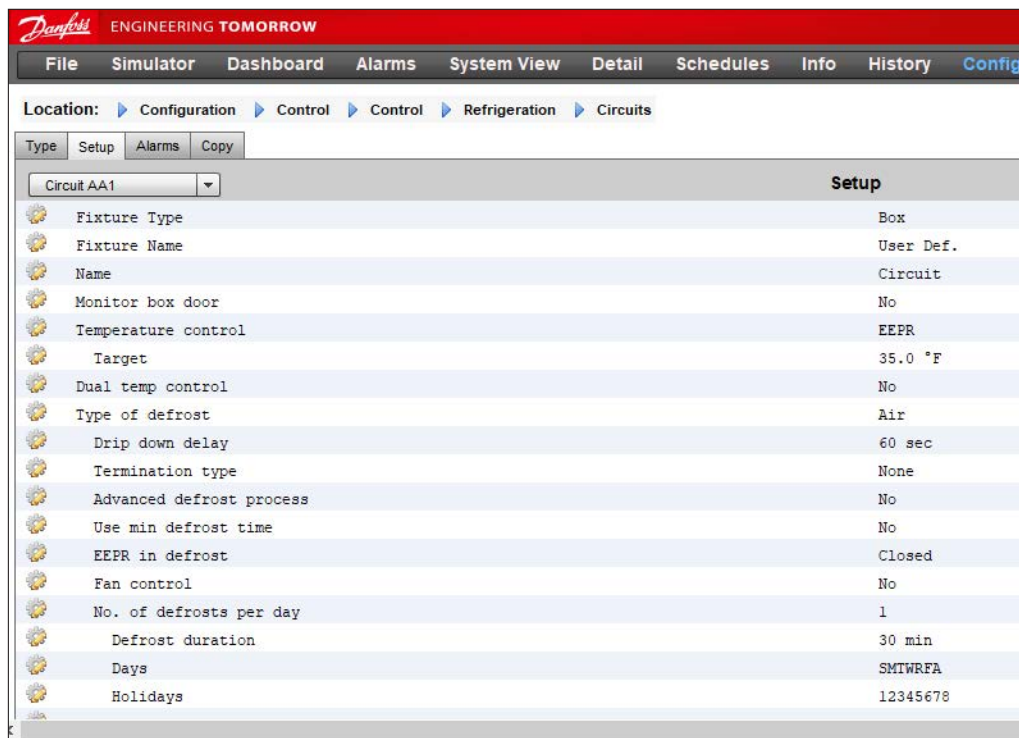
Circuit setup with **Suction EEPR** and **solenoid valve**



Configuration

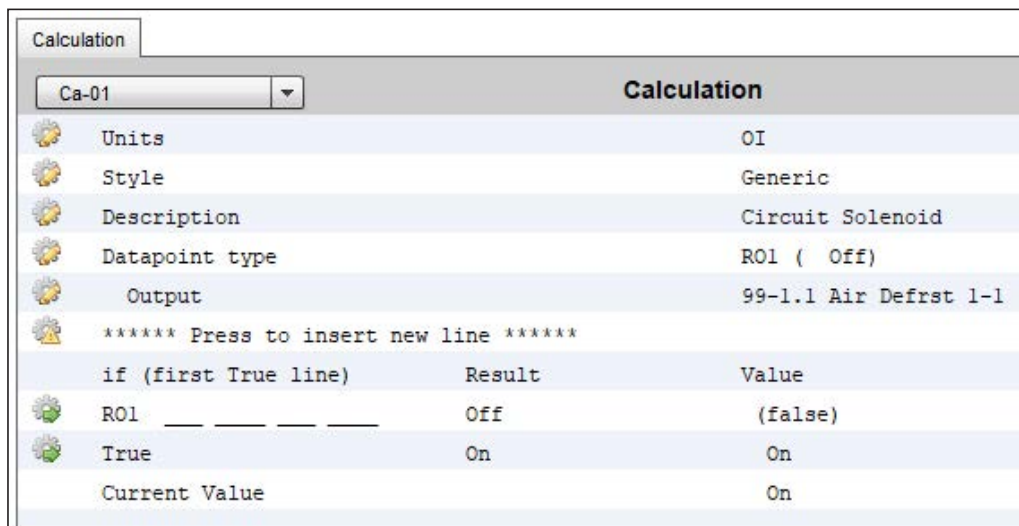
- Circuit setup with stepper valve used as EEPR and liquid solenoid valve
- Stepper EEPR: Controls temperature of case and shuts down for defrost
- Liquid solenoid valve: No temperature control, only shuts off for defrost

Step 1: Configure standard Circuit setup. Under Config → Control → Refrigeration → Circuits → Setup, configure circuit for desired settings. Ensure temperature control is set to “EEPR”. If circuit has electric defrost, set defrost type to “Electric”. For time-off defrosts, set defrost type to “Air”.



Step 2: Configure Addresses. Under Config → Control → Refrigeration → Addresses, assign EEPR output under Variable Outputs tab. Under Relay tab, assign defrost relay. For electric defrost, physical relay should exist. For time-off defrost, assign virtual relay to “Air” Defrost (i.e. 99-1.1).

Step 3: Configure Calculation for Solenoid. Under Config → Control → Miscellaneous → Calculations, add new calc and double-click calculation from list to enter setup. Configure calculation as shown below, with relay selected being the electric/air defrost relay from steps above. Logic allows calculation to turn on any time defrost relay is off, and vice versa.



Step 4: Assign calc to solenoid relay. Under Configuration → Control, increase number of miscellaneous relay outputs by 1. Proceed to Configuration → Control → Miscellaneous. Select new relay from drop-down menu on Relays tab. Assign relay for solenoid valve and select calculation from step 3 as control input.

Location: Configuration Control Misc					
Relays	Sensors	On/Off Inputs	Variable Outputs	Conv Factors	Calculations
	Name	Al Solenoid			
	Bd-Pt	01-2.1			
	Broadcast	No			
	Type	N-Closed			
	Control Input	Ca-01 Circuit Solenoid			
	Minimum OFF	0 min			
	Pre delay	0 min			
	Minimum ON	0 min			
	Post delay	0 min			
	Load Shed Level	0			
	***** Warning *****				
	Deleting any configured Alarm will clear all Alarm Logs				
	(disabling a configured Alarm will NOT clear Alarm Logs).				
	***** Warning *****				
	Number of alarms	0			

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