

**SW1 ALL DIP SWITCHES OFF DEFAULTS TO:**

75 MINUTES FILL  
 45 MINUTES SECONDARY DISTILLATION  
 6 MINUTES OIL TRANSFER

V4B changed SW1 dip 1 to kill fault D3 and D4 when on  
 V4A changed from 3 to 12 tries (if SW1 dip 8 is ON) before D3 or D4 fault & changed fill minutes from 45 to 5 and 60 to 8

**SW1 IS FOR FACTORY USE ONLY (EXCEPT FOR "CHILLER RUN ONLY" CONDITION)**

SW1	SETTING	ENUNCIATION
DIP SWITCH	1 ON	<b>Kills the D3 and D4 fault when in the on position</b>
DIP SWITCH	2	NOT USED
DIP SWITCH	3	NOT USED
DIP SWITCH	4 ON	With run signal on Input 3, OAM only runs when chiller runs (See NOTE at bottom of page for explanation)
DIP SWITCH	4 OFF	Even with run signal on input 3, OAM runs constantly (See NOTE at bottom of page for explanation)
DIP SWITCH	5 ON	2 <sup>ND</sup> DIST 0 MIN 3rd green led flashes
DIP SWITCH	6 ON	2 <sup>ND</sup> DIST 30 MIN 3rd green led flashes
DIP SWITCH	7 ON	2 <sup>ND</sup> DIST 45 MIN 3rd green led flashes (default)
DIP SWITCH	8 ON	Enables Nuisance 12 try feature before D3 or D4 fault

- SW2 ALL DIP SWITCHES MUST BE OFF (EXCEPT IN DIAGNOSTIC MODE)
- If SW2 SWITCHES 5, 6, 7, 8 ON they override everything and all cycles will only be 10 Sec long, (AND) the equalization transitions FAULT will be BYPASSED  
If either Dip 2, Dip 3, or Dip 4 ON activates only the components for the selected Dip Switch(s)

**SW2 DIAGNOSTICS and for MANUFACTURER'S USE ONLY USE FOR TESTING**

DIP SWITCH	1 ON	activates procedure where OAM only runs when chiller is off (works in conjunction with chiller run signal dip switch 4 being ON which enables the run signal) ( this inverts the chiller Run signal and causes the OAM to run only when Chiller is OFF.	
DIP SWITCH	2 ON	activates <u>EQUALIZATION SOLENOID (SOL-1) ONLY D2 on solid</u>	
DIP SWITCH	3 ON	activates <u>OIL TRANSFER SOLENOID (SOL-2) ONLY D3 on solid</u>	
DIP SWITCH	4 ON	activates <u>HEATER ONLY &amp; test 2000 hour filter alert circuit D4 on solid</u>	
DIP SWITCH	5 ON	<u>FAULT BYPASS</u> of equalization(s) requirement in distillations	
DIP SWITCH	6 ON	FILL	10 SECONDS
DIP SWITCH	7 ON	SECONDARY DISTILL	10 SECONDS
DIP SWITCH	8 ON	OIL TRANSFER	10 SECONDS

**DISPLAY LED ENUNCIATION**

D1	GREEN FLASHING	<u>FILL PHASE</u>
D2	GREEN FLASHING	<u>PRIMARY DISTILLATION 145 DEGREES NOT REACHED</u>
D3	GREEN FLASHING	<u>SECONDARY DISTILLATION 145 DEGREES REACHED &amp; MAINTAINED</u>
D4	GREEN FLASHING	<u>OIL TRANSFER</u>
D5	GREEN SOLID ON	<u>HEATER IS ON</u>
D6	RED FLASHING	<u>FAULT CONDITION</u>
D2	GREEN SOLID	<u>EQUALIZATION SOLENOID (SOL-1) ONLY ITEM ENERGIZED</u>
D3	GREEN SOLID	<u>OIL TRANSFER SOLENOID (SOL-2) ONLY ITEM ENERGIZED</u>
D4	GREEN SOLID	<u>HEATER ONLY ITEM ENERGIZED &amp; filter alert circuit light test</u>

**FAULTS & ENUNCIATIONS**

D6 RED FLASHING & GREEN D1 SOLID	Temp not below 145 F within 14 min during fill
D6 RED FLASHING & GREEN D2 SOLID	145 degrees F not reached within 4 hours after fill
D6 RED FLASHING & GREEN D3 SOLID	NO equalizations <u>BY END OF DISTILLATIONS</u>
D6 RED FLASHING & GREEN D4 SOLID	NO 2 equalizations <u>BY END OF DISTILLATIONS</u>
D6 RED FLASHING & GREEN D5 SOLID	Overfill of collection canister if float sensor hooked to input 4

**NOTE:** This clarifies the SW1 Dip Switch 4 ON setting above. When power is applied to the OAM and INPUT 3 has a Signal indicating the Chiller is running and Dip Switch 4 is ON, the OAM will be active and working. If the OAM does not receive a Chiller Run signal, (i.e. the chiller is turned off) the OAM will suspend operation immediately (NOT FAULT) until it receives a Run signal again. When it receives a Run Signal it will begin a new cycle in the FILL Phase.  
 SEE DIP SWITCH 1 ON SW2 FOR RUN SIGNAL INVERSION WHERE OAM RUNS ONLY WHEN CHILLER IS OFF.

**NOTE:** chillers using isolated run signal use IN6 for input and IN7 for isolated neutral (J11 & J22) (was set up initially for certain York chillers, this is not the way the normal manual is written, it always uses IN3 for the run signal)

Note ISO refers to the isolated neutral that was developed for YORK.