SW1 ALL DIP SWICTHES 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	Kills the D3 and D4 fault when in the on position
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	2ND DIST 0 MIN 3rd green led flashes
DIP SWITCH	6 ON	2ND DIST 30 MIN 3rd green led flashes
DIP SWITCH	7 ON	2ND 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 EQUALIZATION SOLENOID (SOL-1) ONLY D2 on solid
DIP SWITCH	3 ON	activates OIL TRANSFER SOLENOID (SOL-2) ONLY D3 on solid
DIP SWITCH	4 ON	activates HEATER ONLY & test 2000 hour filter alert circuit D4 on solid
DIP SWITCH	5 ON	FAULT BYPASS 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	FILL PHASE
D2	GREEN	FLASHING	PRIMARY DISTILLATION 145 DEGREES NOT REACHED
D3	GREEN	FLASHING	SECONDARY DISTILLATION 145 DEGREES REACHED & MAINTAINED
D4	GREEN	FLASHING	OIL TRANSFER
D5	GREEN	SOLID ON	HEATER IS ON
D6	RED	FLASHING	FAULT CONDITION
D2	GREEN	SOLID	EQUALIZATION SOLENOID (SOL-1) ONLY ITEM ENERGIZED
D3	GREEN	SOLID	OIL TRANSFER SOLENOID (SOL-2) ONLY ITEM ENERGIZED
D4	GREEN	SOLID	HEATER ONLY ITEM ENERGIZED & filter alert circuit light test

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 BY END OF DISTILLATIONS
D6 RED FLASHING & GREEN D4 SOLID	NO 2 equalizations BY END OF DISTILLATIONS
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.