



- 1 128x64 Graphical display
- 2 Navigation keys
- 3 Enter key
- 4 Start key
- 5 LED (green - start , red - stop/fault )
- 6 Stop key
- 7 Reset key
- 8 Oil filter change indication LED
- 9 Air oil separator change indication LED
- 10 Cooler fault LED
- 11 Auto mode enabled indication LED
- 12 High pressure fault LED
- 13 Main motor fault LED
- 14 Reverse rotation fault LED
- 15 Air filter change indication LED
- 16 High discharge temperature fault LED
- 17 Escape key
- 18 Tab key
- 19 Info key

## MAIN SCREEN DISPLAY

- Package Discharge Pressure
- Discharge Temperature
- VFD Speed % on screen (if applicable)
- Machine Status like Run, Load, Unload, Standby etc.
- Warning Messages
- Date & Time
- Mode Information (see below)

## Mode Information – 1, 2, 3

1. PS– Pressure Schedule Enabled / UL– Unload Mode Enabled
2. L– Local / R– Remote / D– DCS
3. A / M – Auto Restart ON / Manual Mode

## MAIN SCREEN SHORTCUTS

**Pressing the navigation keys while on the main menu allows user to read common settings.**

### ► “RIGHT” - Live Analog Values

1. Live Differential Pressure (Displays only if Sump Pressure enabled)
2. Live Sump Pressure (Displays only if Sump Pressure enabled)
3. Live Pt1000 Temperature (Displays only if Dryer ON enabled)

### ▲ “UP” – Set Analog Values

1. Current Load Pressure
2. Current Unload Pressure
3. Current Start Sump Pressure (Displays only if Sump Pressure enabled)
4. Current Differential Pressure (Displays only if Sump Pressure enabled)

### ▼ “DOWN” – Today Report

1. Load and Stop Hours
2. Unload and Fault Hours
3. Run and Standby Hours
4. Start Count and Load Count

**Compressor Status messages**

Status	Description
Ready	Ready for start
Star	Motor running in star
Run	Motor running in delta
Run load	Compressor in load
Run unload	Compressor in unload
Stop busy	Stop sequence in progress
Emergency stop	Emergency stop push switch is ON
Start inhibit xx.x	During the start, if the sump pressure is higher than the set start sump pressure value, you will see this message. XX.X denotes the live sump pressure value. The compressor starts only if the sump pressure value goes below the set value.
Temperature inhibit ±XX	During the start, if the discharge temperature is lower than the set inhibit temperature value, you will see this message. ±XX denotes the live discharge temperature value. The compressor starts only if the discharge temperature value goes above the set value.
Start inhibit "seconds"	If sump pressure is not used (disabled) then the controller will ensure minimum 60 seconds delay between the stop and the start. Count stops if "STOP" key is pressed
Auto restart "seconds"	If compressor is in auto mode, the controller will ensure minimum delay (user set, e.g. 90 sec) between stop and start. count stops if "STOP" key is pressed
Start ack wait...	This message is displayed after a fault is cleared and waiting for user acknowledgement. By pressing "RESET" key user can acknowledge.
Standby	Compressor in standby

**Compressor Warning Messages**

Warning	Description
DPAF	If DPAF Digital Input is Open and DPAF ON in factory setting
DPOF	If DPOF Digital Input is Open and DPOF ON in factory
Dryer Probe Failure	When Ch-4 analog sensor input fails
Low Dew Point	When Ch-4 Dew point temp. is less than Set value
High Dew Point	When Ch-4 Dew point temp. is greater than Set Value
High Differential Pressure	When the difference between Sump. Pressure and Discharge Pressure exceeds the Set Pressure. ( Only in Sump Pr. Enabled condition)
Warn Temperature	When Discharge temp. exceeds the set warn temperature (Default is 105Deg C/Deg F)
Change Oil Filter	When service remaining Hr. reaches 0000 Hrs
Change Air Filter	When service remaining Hr. reaches 0000 Hrs
Change Oil	When service remaining Hr. reaches 0000 Hrs
Change Grease	When service remaining Hr. reaches 0000 Hrs
Change Separator	When service remaining Hr. reaches 0000 Hrs
Change Valve kit	When service remaining Hr. reaches 0000 Hrs
Dryer Warn	If Dryer Digital Input is Open and dryer warn is selected in the input

**Compressor Fault Messages**

<b>Fault</b>	<b>Description</b>
Pr. Probe failure	Discharge pressure sensor probe failure
Tr. Probe failure	Temperature sensor probe failure
Sump pr. probe failure	Sump pressure sensor probe failure, if sump pressure is enabled
HSP (AS)	Case 1: sump pressure is enabled
	If sump pressure exceeds the set high sump pressure value.
HSP (AD)	If discharge pressure exceeds the set high sump pressure value.
Cooler	If the cooler digital Input opens due to Cooler fault
Main motor overload/ VFD error	If the MMOL digital input opens due to main motor over load. VFD error if VFD control is enabled.
Rev rot / Ph fail	If the rev rot input closes when motor running due to motor reverse rotation or Phase failure.
Trip temperature	If the discharge temperature exceeds the set trip temperature value.
Sump Pressure Not Developing	After the Start, The sump pressure should be at least 0.3 bar/4psi after star delay expires. If this is NOT achieved this Fault occurs , if sump pressure is enabled.
Power failure	If the mains supply is interrupted for more than 20 msec
Low voltage	If the mains supply voltage is less than the 67% of rated voltage. Compressor is tripped & All controller operation is halted until the mains supply Comes back to normal (at least 75% of the rated)
Dis. pressure Not developing	After the Load, The discharge pressure should be at least 0.5 bar/7psi in 5mins. If this is NOT achieved this fault occurs
Dryer trip	If dryer is enabled with trip, if dryer trip occurs, this fault message will be shown
Winding temp. high/fail	If motor fan external enabled, it will trip the compressor based on SET value of MOTOR WINDING temperature/ sensor open

## Menu Structure

