BIANCO NXT

DRIVE SERIES
SETUP WIZARD

The Set-up wizard enables a fast, simple means to program an BIA DRIVE for the first time.

The Wizard assumes the following configuration is desired:

- Constant Pressure
- Sleep Enabled
- Auto-restart enabled

The Setup Wizard also serves as an alternative short-cut to alter the most common settings without having to access and navigate the Programmer Level pages.

The user interface provides access to three key groups of information:
User, Installer and Programmer.

User Level: No password required

- Display screen summarises current operating conditions. Greater detail easily accessible.
- The screen saver duration can be set; the date and time can be altered and the fault log (last 3 faults) viewed.
- User screens are especially useful for monitoring system operation and diagnosing faults.

Installer Level: Password required

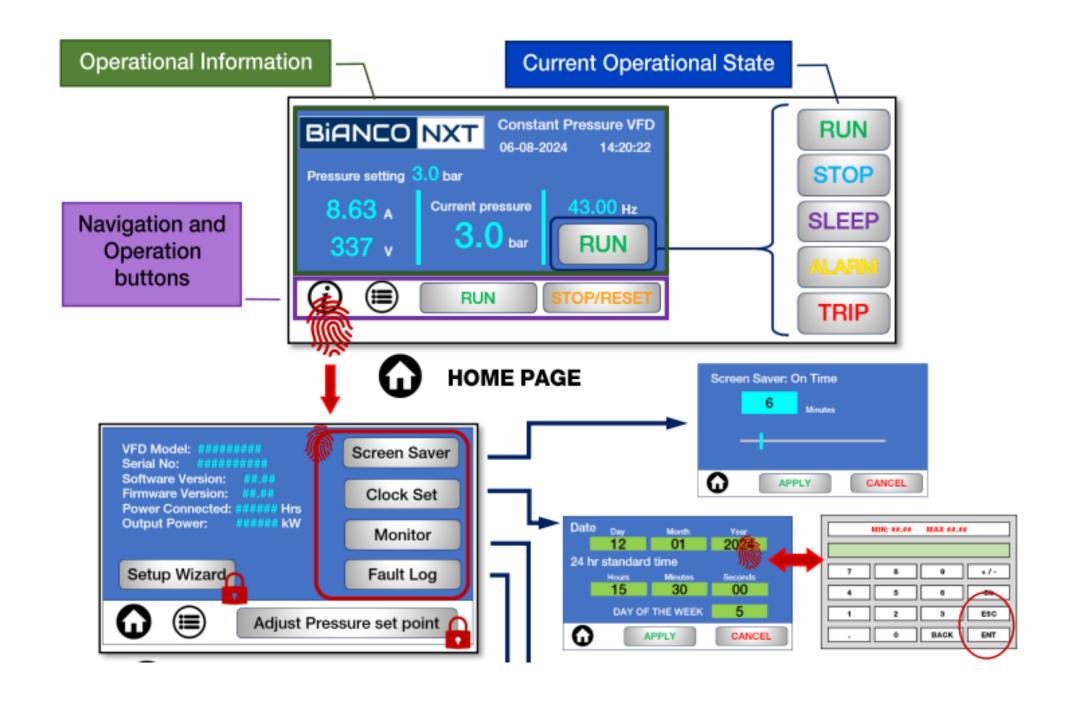Access to the Setup Wizard and start / operational pressure set points.

Programmer Level: Password required

Access to a comprehensive suite of programming parameters.

USER
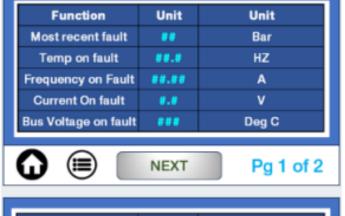
User Level: No password required

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Operational Information

Current Operational State

Navigation and Operation buttons

BiANCO NXT — Constant Pressure VFD
06-08-2024   14:20:22

Pressure setting 3.0 bar

8.63 A
337 V

Current pressure
3.0 bar

43.00 Hz

RUN

RUN   STOP/RESET

RUN
STOP
SLEEP
ALARM
TRIP

HOME PAGE

VFD Model: #########
Serial No: ##########
Software Version: ##.##
Firmware Version: ##.##
Power Connected: ###### Hrs
Output Power: ###### kW

Setup Wizard

Screen Saver
Clock Set
Monitor
Fault Log

Adjust Pressure set point

Screen Saver: On Time

6 Minutes

APPLY   CANCEL

Date
Day   Month   Year
12   01   2024

24 hr standard time
Hours   Minutes   Seconds
15   30   00

DAY OF THE WEEK   5

APPLY   CANCEL

MIN: ##.##   MAX ##.##

7 8 9 +/-
4 5 6
1 2 3 ESC
. 0 BACK ENT

INFORMATION PAGE

FAULT LOG PAGES

Function	Unit	Unit
Most recent fault	##	Bar
Temp on fault	##.#	HZ
Frequency on Fault	##.##	A
Current On fault	#.#	V
Bus Voltage on fault	###	Deg C

🏠 ☰ [NEXT]   Pg 1 of 2

Function	Unit	Unit
Fault time	###	H
Press on fault	#.##	Bar
Fault 2		
Fault 1		
Software Version	#.##	

🏠 ☰ [BACK]   Pg 2 of 2

READ ONLY

MONITOR PAGES

Function	Value	Unit
Actual Pressure	#.#	Bar
Running Frequency	##.#	HZ
Running Current	#.#	A
Bus Voltage	###	V
Internal Temp	##.#	Deg C

🏠 ⓘ [NEXT]   Pg 1 of 2

Running time	####	H
Power On Time	###	H
V Voltage	#.##	V
C Current	#.##	mA
DI Status	12	1=DI1 2=DI2 4= DI3
C1 voltage	#.##	mA

🏠 ⓘ [BACK]   Pg 2 of 2

INSTALLER

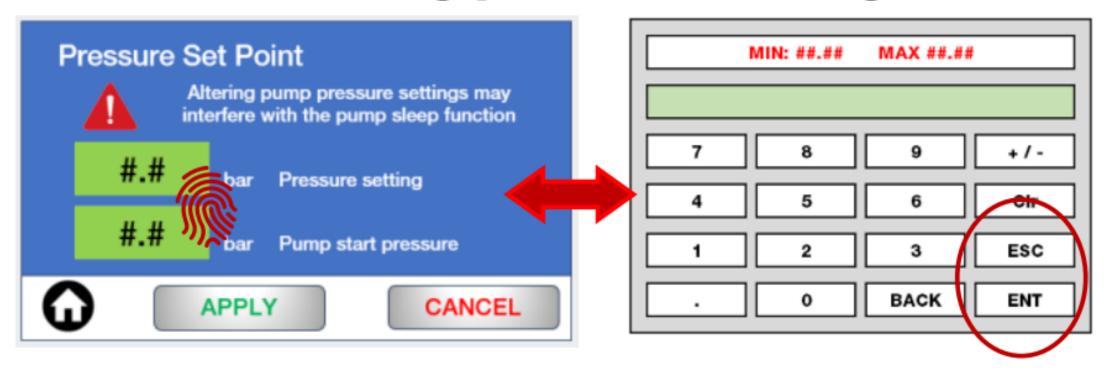**Installer Level:** Password required

Access to the Setup Wizard and start / operational pressure set points.

Please Input Password:

65535

7	8	9	+ / -
4	5	6	Clr
1	2	3	ESC
.	0	BACK	ENT

Altering pressure settings

Pressure Set Point

⚠️ Altering pump pressure settings may interfere with the pump sleep function

#.# bar   Pressure setting

#.# bar   Pump start pressure

🏠   APPLY   CANCEL

MIN: ##.##		MAX ##.##	
7	8	9	+ / -
4	5	6	Clr
1	2	3	ESC
.	0	BACK	ENT

Setup wizard: Constant Pressure, Sleep Enabled, Auto Restart		
Nameplate kW	##.#	Rated kW
Nameplate Voltage	###	Rated Voltage
Rated Motor Speed	####	RPM
Rated Current	#.#	Amp
Max Hz	#.#	Hz

NEXT

Upper Limit Hz	50	Hz
Sleep Option	1	0 = Off. 1 = On
Sleep Freq	30	Hz
Sleep detect time	30	Sec
Sleep Delay	1.0	0.1 - 200.0 sec
Auto-Start Option	0	0 = Not allowed 1 = Start when power on

Minimum Hz	30	Hz
Motor Direction	0	0 = Forward 1 = Reverse 2 = Not allowed
Acceleration time	8	Seconds
Deceleration time	8	Seconds
Low V Protection	85%	70.0 - 100.0%
W.S. detect mode	##.#	0 = Off 1 = By Current 2 = By Press 3 = Current&Press 4 = Terminal

W.S detect value	0.5	Bar
W.S. detect time	50	Sec
H.P. alarm	15	Bar
H.P. detect time	3	Sec
W.S. detect current	##.#	Amps (suggest 85% FLC)
End of setup wizard		

PROGRAMMER

Accessing the Programming Level opens up six additional parameter groups.

Pressure settings: sensor setup and tuning, sleep functions, Low Pressure, High Pressure setup, PID setup and tuning and Alarm options
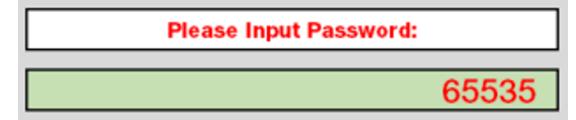
Pump Parameters: Motor setup, Rotation, Voltage, Current, Frequency, Start/Stop options

Input/Output Setup: V/Freq tuning, C/Freq tuning, Di setup, Mo and Relay output

Comms Setup: Comms settings and multi-pump setup

Password Setup: requires Level 2 password

Timing Parameters: Up to 5 stages. Timing function to set pump run cycles or pressure set point mode to allow for operation at alternative set point(s) at programmed times

Please Input Password:

65535

Pressure Settings

Comms Setup

Pump Parameters

Password Setup

I/O Setup

Timing Parameters

BiANCO NXT