

# Quickstart PST/PSTB

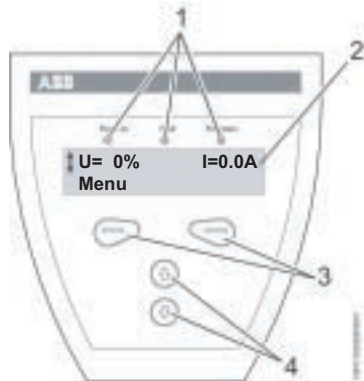


Figure 1:

- 1 Status indication LEDs
- 2 LCD display
- 3 Selection keys for selecting, changing and storing parameters
- 4 Navigation keys for navigating in the menus
- \* Arrows shown in the display indicate that the value/menu is possible to change or scroll

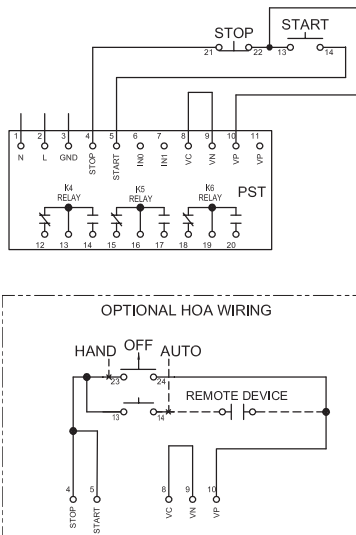


Figure 2: Standard connection PST

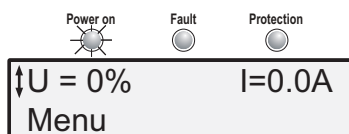


Figure 3: Top level

This document is a short guide on how to connect, configure and start the softstarter in the quickest and safest way.



## Warning!

**Mounting and installing the softstarter shall be done in accordance with local laws and regulations and must be performed by authorized personnel only. Do not change any parameters in the Service Settings menu.**

## Connection

1. Mount the softstarter according to Chapter 4 "Mounting".
2. Be aware of the ambient temperature. Derating is required above 40 °C (104 °F). See Chapter 3 for more information.
3. Connect the main circuit: terminals 1L1 - 3L2 - 5L3 to the line side and terminals 2T1 - 4T2 - 6T3 to the motor side.
4. Connect the control voltage: terminals 1 and 2 (100-250V 50/60Hz).
5. Connect the functional ground: terminal 3.



**The wire shall be as short as possible, and be connected to the mounting plate. The mounting plate should also be grounded.**

6. Connect the start/stop circuits: terminal 4, 5, 8, 9 and 10 according to Figure 2.
7. Verify that the main and control voltage corresponds to the softstarter ratings.
8. Switch on the control voltage.
9. The green "Power on" LED should be lit and the LCD should appear as shown in Figure 3.

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↓ Application Setting
Select                  Back

Figure 4: Application setting menu

↓ Centrifugal Pump
Store Set                  Back

Figure 5: Centrifugal pump

Centrifugal Pump
Next                          Back

Figure 6: Centrifugal pump stored

Setting Ie                  99.0A ↓
Store

Figure 7: Setting Ie

Setting Ie                  99.0A
Next                          Back

Figure 8: Setting Ie stored

OL Class                  10 ↓
Store

Figure 9: OL Class

OL Class                  10
Next                          Back

Figure 10: OL Class stored

Ext ByPass                  No ↓
Store

Figure 11: External Bypass

Ext ByPass                  No
Next                          Back

Figure 12: External Bypass stored

Ready?
Yes                          Tune Set

Figure 13: Ready / Tune Set

## Configuration

1. Enter the Application Setting by pressing the left selection key twice. Press *Select* using the left selection key.
2. Select the appropriate type of load by using the navigation keys.
3. Press *Store Set* and *Next* to continue or *Back* to previous parameter using the selection keys.
4. Set Ie (motor FLA) using the navigation keys.  
In Line connected = rated motor current  
Inside Delta connected = 58% ( $1/\sqrt{3}$ ) of the rated motor current. For example, if the soft starter is connected in line with a 100A motor, Ie = 100A. If the softstarter is connected inside the delta of a 100A motor, Ie = 58A.
5. Press *Store* and *Next* to continue or press *Back* to access the previous parameter.
6. Set the required overload class using the navigation keys.
7. Press *Store* and *Next* to continue or press *Back* to access the previous parameter.
8. If an external by-pass contactor is used set *Ext ByPass* to Yes using the navigation keys. (PST30...300 only).
9. Press *Store* and *Next* to continue or *Back* to previous parameter using the selection keys.
10. Select Yes if ready or *Tune Set* if ramp times, initial voltage, current limit etc. need to be adjusted.

## Start of the motor

1. Switch on the main voltage.
2. Give a start command to the softstarter.  
(To start the softstarter from the keypad, enter the LOCAL CONTROL menu, select *Start/Stop* and press *Start*. The motor must be stopped before leaving this menu.)