

START & SET UP PROCEDURE FOR THE SCHMERSAL USP SYSTEM

1. After Installation is completed (see installation manual/d.50) plug in the 15 way Sub D plug to both the U.S.P interface and the receiver unit in the lift well.
2. Connect the Transmitter Wires (T+,T-) and position sensor wires (K+, Gnd) if fitted.
3. Connect the teach-in button to the lower terminal strip (Le, L+, Gnd, Y16).
Display will show system not configured.
4. Make sure lift is on Test Control, position lift at lowest floor level.
5. Press enter button (↵) on USP. Then (↓) button until **Settings** is displayed. Press (↵)
6. Display will now show **Access Code**, using (↑) (↓) (←) (→) keys, show **0202** on display. Press (↵) Default access code.
7. **Installation** is now displayed, press (↵).
8. Display shows **Enter Levelling Values**, press (↵).
9. **Teach-in** displayed, press (↵).
10. Display shows – **Delete Existing Values NO/YES**, press (↑) to show **YES**. Then press (↵).
11. **Receiver TOP/BOTTOM** is shown on the display, by using (↑) (↓) keys, set receiver location to suit shaft installation. Then press (↵).
12. Display will show **Teach-in Drive Active**.
13. With the lift at exact floor level, press the Teach-in button for 1 second it will now illuminate. It then extinguishes as lift moves away from floor.
14. Move the lift to the next floor level, and press Teach-in button again, repeat this for all levels served
15. When all the floors are entered into U.P.S. press the (esc) button.
16. Display will show **Calculate Shaft Copy**. Press (↵).
17. Press (↓) until **profile 2** is displayed. Press (↵).
18. Display will show **VNOM**. Set display to show nominal speed of lift. Press (↵).
19. Display will show **VNOM2**. Set display to show value shown in **Note 3** below, Press (↵).
20. Press (↓) to show **ANOM** on display. Set the deceleration rate to 0.4 m/s² as a default. Press (↵).
21. Display will show **Calculate? YES**. Press (↵).
22. Display will show **Shaft Copy Calculated**. Press (esc).
23. Basic set-up is now completed.
24. For further adjustments refer to the Schmersal programming manual.

Note 1 :

1. Level is a floor position signal
2. Trace is a common input (SPU, SPD, STU, STD etc) for the shaft length.
3. Signal is an individual input.
4. Edge is the length of the signal.

Note 2 : Teaching button connections.

5. LE = Yellow / 1 Buttons
6. L+ = Orange / 2
7. Grd = Blue / 3
8. Y16 = Red / 4 Lamp

Note 3:

Lift speed m/s, v nom 2, A nom, slowing distance,
1.5 / 1.6, 1.0, 0.4, 2650mm.
1.0, 0.7, 0.4, 1375mm.
0.75, 0.6, 0.4, 1050mm.
0.5, 0.3, 0.4, 550mm.