



UltraLight™

Quick Start Guide

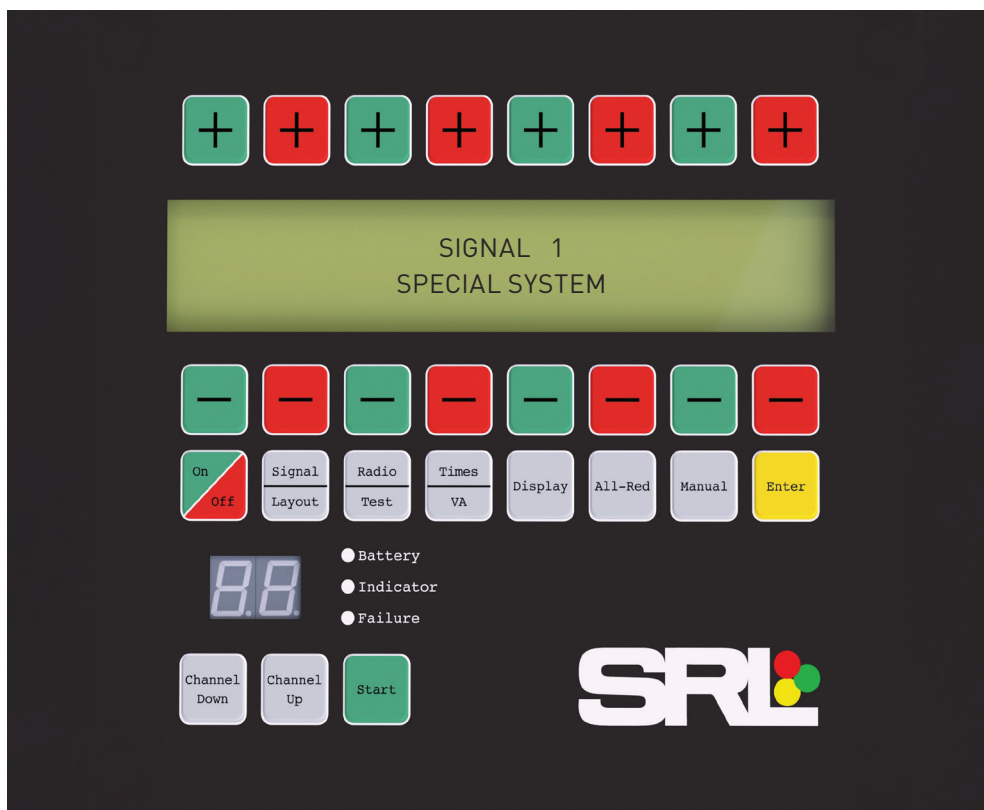


Date: April 2026

1

Ensure batteries are fully charged and all connections are secure, turn on the UltraLight controller via the On/Off button.

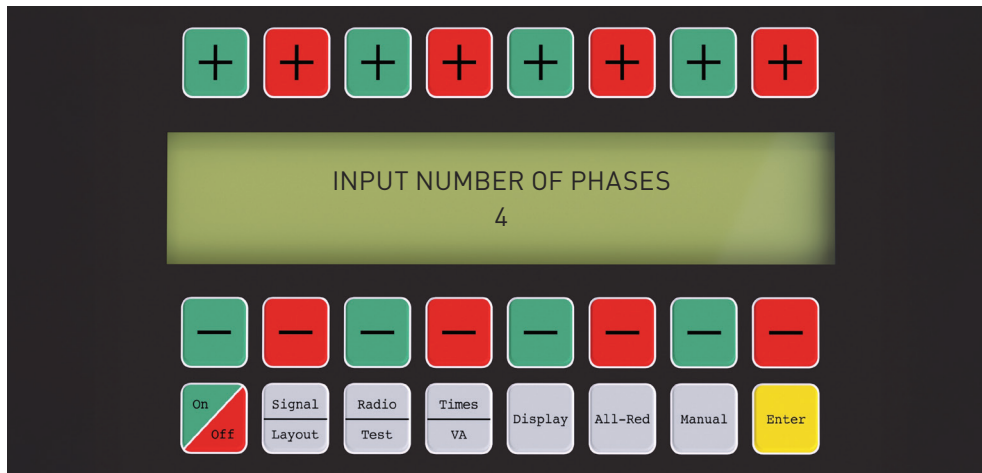
- Using Signal/Layout for Signal and any + or - button to set to Signal 1, also known as the Controller, followed by Enter to save.
- Using Signal/Layout button, for Set program type then any + or - button to set to Special System Program – press Enter to save.



2

In this example we will be setting up for 3 way / 2 crossings.

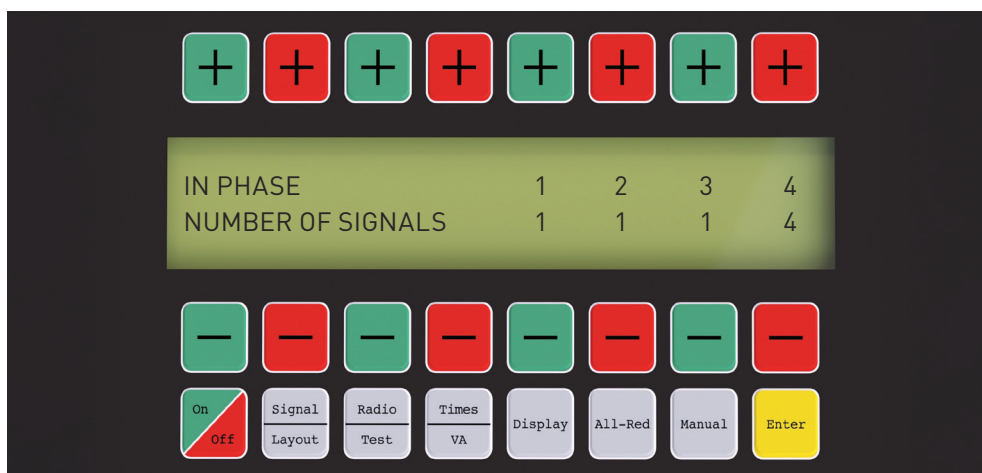
- 3 way = 3 approaches of Traffic
- 2 crossings = 2 full crossing points (4 Ped heads in total)



- Using Signal/Layout for Input number of phases and any + or -button to set to 4.
- 3 phases for the Traffic, 1 phase for the two crossings.

3

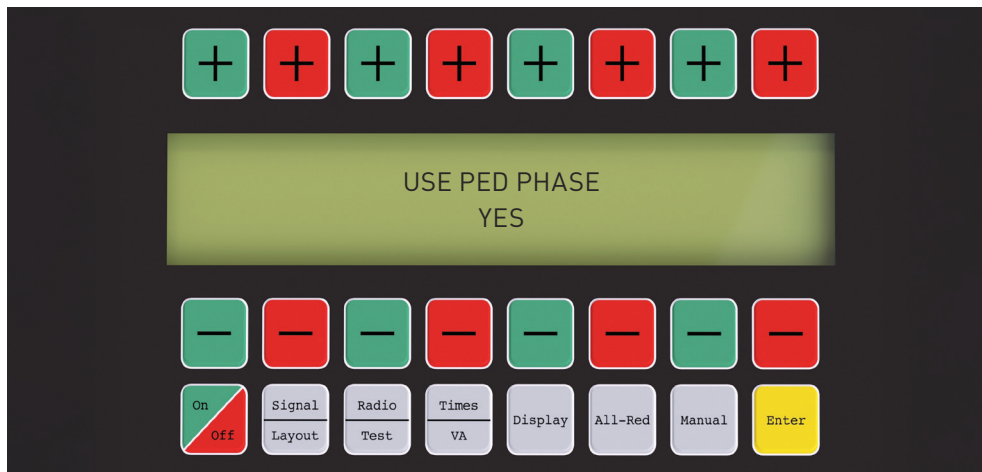
Using Signal/Layout for in phase number of signals and the corresponding + or - button to set number of signals in each phase.



- 1 Signal for each traffic phase, 4 ped heads for the pedestrian phase.

4

Using Signal/Layout for type of signal and the corresponding + or - button to set if a PED phase is being used or not.



- Once YES is selected the highest number phase will be set for pedestrian, in this case it is phase 4.

Now press Enter to ensure all these settings have been saved.

5

Now set the other two traffic signals to signal number 2 and 3 ensuring you press Enter to save.



Note: only the signal number is required on all other signal boxes as the Controller holds all detailed information.

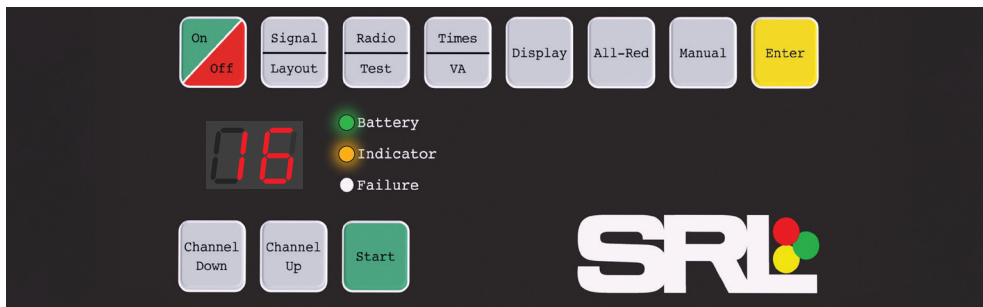
6

The Ped signals are now to be set following on with 4, 5, 6 and 7.

7

Checking for a clear channel to operate the signals on can only be done on any other signal than the Controller. Using the Channel up and down button cycle through slowly to find a channel with no indicator light flashing.

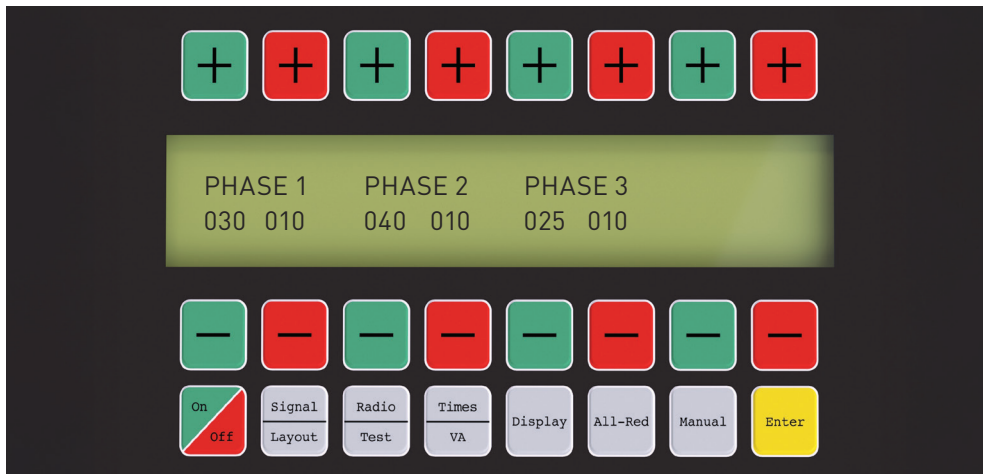
This would be a poor channel to use -



- Once a clear channel is found, set all signals to the same channel.

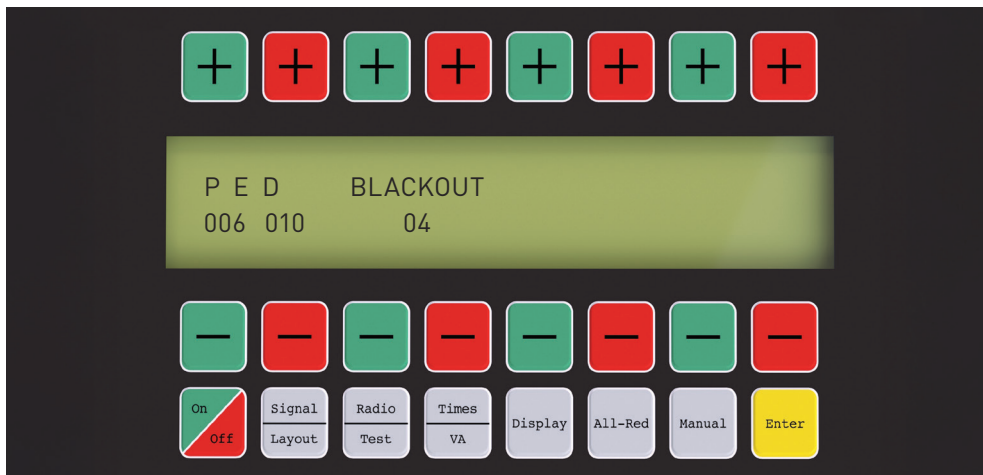
8

On the Controller (Signal 1), Using Times/VA for phase timings and the corresponding + or - button to set the phase green and red times.



The first time is the Green for that phase, use the corresponding green + and - to change. The second time is the Red for that phase, use the corresponding red + and - to change.

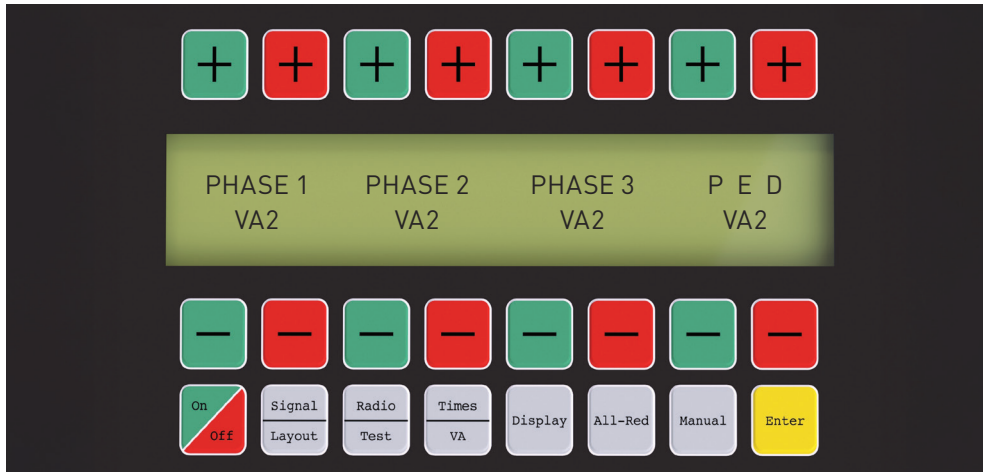
- Press the Times/VA again to bring up the PED timings.



Now press Enter to ensure all these settings have been saved.

9

Using Times/VA for phase VA settings and corresponding + or - button to set the VA for each phase.



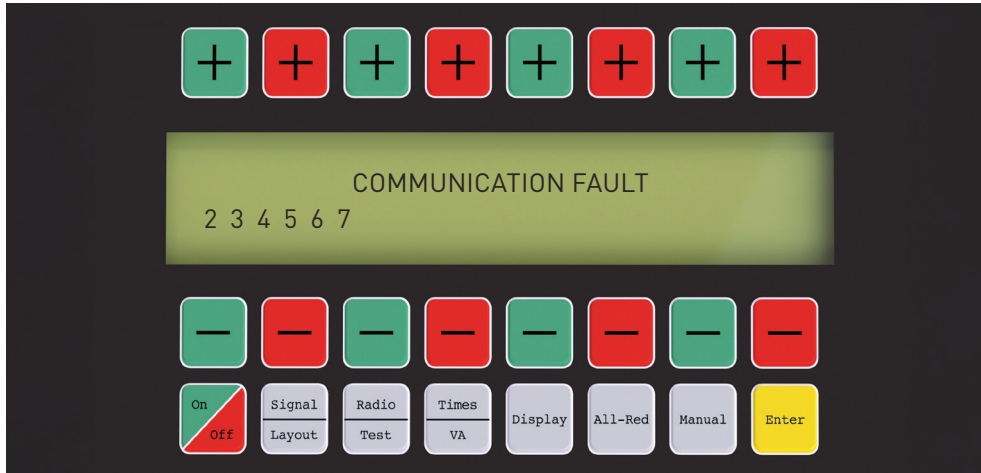
See below the following VA settings and their functionality:

- **VA0** = Fixed time (Max)
- **VA1** = Fixed time / VA – Will always service each approach, depending on traffic will run MAX if required
- **VA2** = Vehicle actuated, will work on detection (most common)
- **VA3** = Revert back to this phase if no demands

Now press Enter to ensure all these settings have been saved.

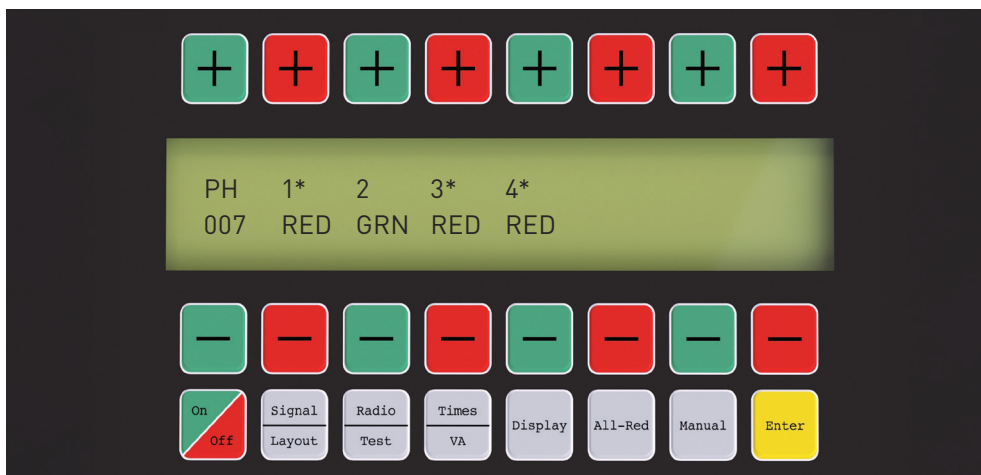
10

Press the Display button to display Communication Fault.



Press START, all the signal numbers will disappear, and the signals will begin to run, initially running through all phases.

The following screen will now be displayed, explaining which state each signal is in; this also includes whether or not a phase has a demand or is demanding.



- One asterisk means there is a demand for that phase and the signals will service this phase.
- Two asterisks mean there is a current demand, and the VA detector is seeing traffic.

For further assistance, please contact your nearest SRL depot.

For more information and help,
Email hire@srl.co.uk or call us on **0808 2818 775**

