

SVS S34L ACTIVE LOOP

The Active Loop developed by SVS Telekom, the remote control device or the computer breaks down / is not found to be very useful in such cases. J5 Interface cables are not necessary to use this loop. Should only be considered, loop; it should be plugged **when there is no power on HPA**. Otherwise, the HPA and / or the Active Loop may cause damage.

S34L attempts to communicate when is inserted to HPA at first. Able to understand the device is searching address when the indicator of device is blinking red / green. Blinking rapidly as the red when does not find any reason. After this process to search again for S34L, HPA should be closed and opened.



As shown in the image, S34L Active Loop which only 2 buttons and 1 LED indicators consists of an intelligent control system actually has more than shown. With only these 2 keys and 1 indicator, can be adjusted operations of HPA like HV On / Off, RF On / Off, Attenuation, RF Status, Fault Reset, etc.

Operation

HV ON / OFF (TRANSMIT / STAND-BY): When this key is pressed, HPA places from Stand-By into Transmit, or from Transmit into Stand-By, if the HPA is provided communication with the device. In these circumstances observed indicators of S34L:

Go into Transmit from Stand-By; LED lights up **green** once and then followed Status LED of HPA.

Go into Stand-By from Transmit; LED lights up **red** once and then followed Status LED of HPA.

Also the key is used to apply *Reset* HPA is on *Fault*. Apart from that very rarely any reason (f HPA waits long on Stand-By and this option is set, Filament supply closes itself not to damage TWT) HPA that The filament supply have been off, Stand-By mode can also be used to obtain

RF ON / OFF: When this button is pressed, turns on the RF was off (inhibit), turns off (would inhibit) the RF was open. In these circumstances observed indicators of S34L:

While turning from RF OFF to RF ON; LED lights up **green** once and then followed Status LED of HPA.

While turning from RF ON to RF OFF; LED lights up **red** once and then followed Status LED of HPA.

Attenuation: To enter Attenuation mode, HV On / Off and RF On / Off buttons on the S34L is pressed both of them, should draw from one of them. Indicator of Loop flashes *green* 8 times as fast in the meantime.

To increase output power and reduce Attenuation, need to press the RF On / Off button. Attenuation will decrease 0.5 dB every time. Meanwhile, the LED indicator on the loop turns *red* → *orange* → *green* in the form of discoloration. The LED is *green* at least the point of Attenuation, at the highest point of Attenuation where it turns *red*.

To decrease output power and raise Attenuation, need to press the HV On / Off button. Attenuation will raise 0.5 dB every time. Meanwhile, the LED indicator on the loop turns *green* → *orange* → *red* in the form of discoloration. The LED is *green* at least the point of Attenuation, at the highest point of Attenuation where it turns *red*.

To exit Attenuation mode, the HV On / Off and RF On / Off buttons is pressed both of them again, should draw from one of them. This time the loop's indicator blinks *orange* 8 times as fast.

RESET: To clean any *fault* has occurred on HPA, HV On / Off button is *Reset* on the task. If a fault which has occurred is not always, will be enough to press this button once. If there is a permanent fault, the HPA will be placed to fault status again. In this case, with no time should contact MCL or Authorized Service Center.

RF STATUS: To find out RF ON or OFF whether it is necessary to implement the following procedures:

- hold down the RF On / Off button until the LED indicator of S34L is off.
- leave the button when the indicators is off.
- if first visible indicator color is *red*, RF is OFF; color is *green*, RF is ON.

After this process 5 seconds, indicator will take color of LED status of HPA.

CONTROL STATUS: Control mode of HPA also able to understand with Active Loop S34L. To do this:

- hold down the HV On / Off button until the LED indicator of S34L is off.
- leave the button when the indicators is off.
- if first visible indicator color is *red*, control mode is *Local/Computer*; color is *green*, control mode is *Remote*.

After this process 5 seconds, indicator will take color of LED status of HPA.

If control mode is *Computer* at *Local/Computer*, S34L can take *Remote* itself. However it is *Local* to change, have to use a computer or SVS UHC402's Diagnostic port. Course in both the will need to have a special Diagnostic cable by given with HPA while taking from *Local* to *Remote*.