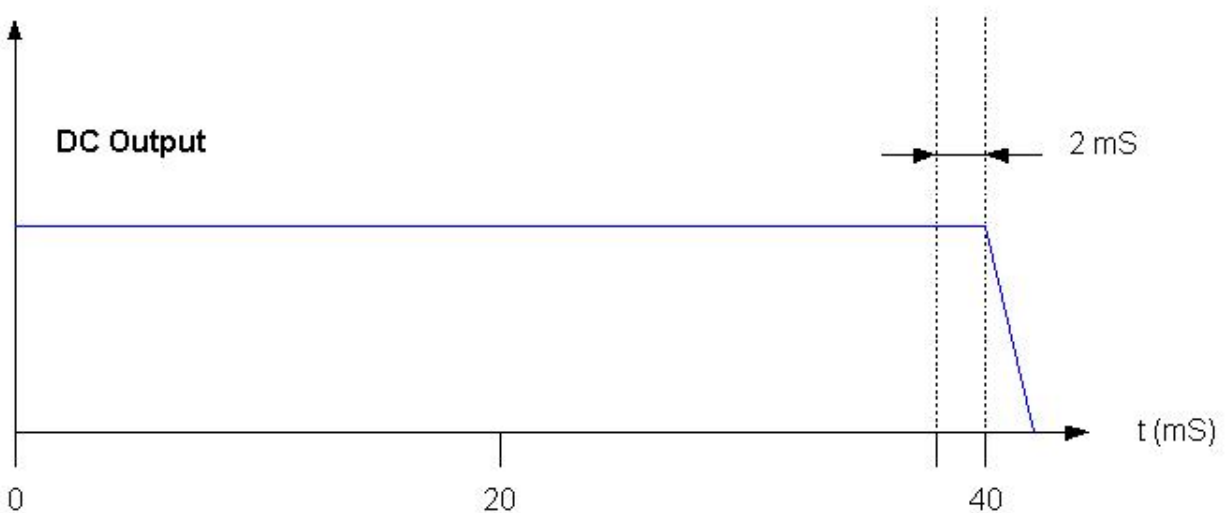
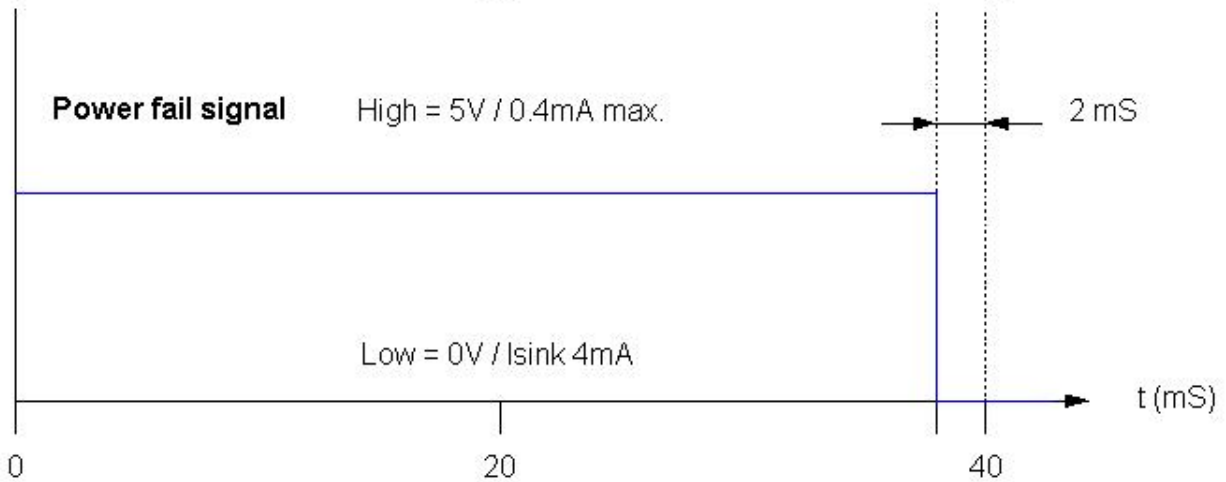
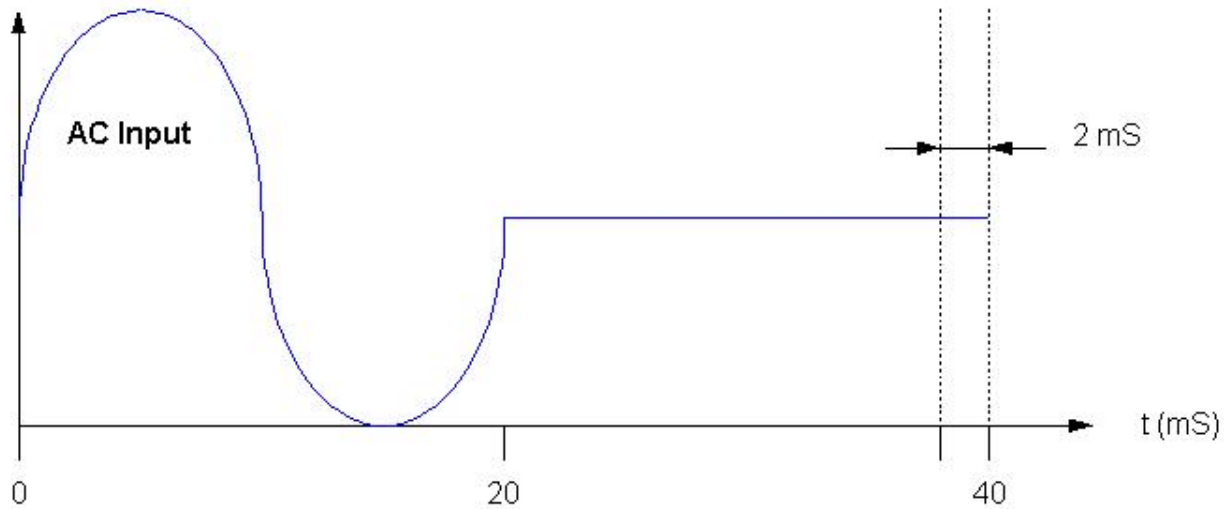




Power fail signal time chart for ETA Series:

- ❖ FH-series
- ❖ WR-series





Remarks:

- ❖ The PF signal is only referenced to the –S contact in following ETA series:
 - FHF
 - FHG
 - FHH
 - FHP

- ❖ In all other series with PF the signal is referenced to the –V_{out} contact.

At normal operating conditions the PF signal of the PSU shows a TTL high level 5V / I ≤ 0.4 mA.

Under following conditions the PF Signal is changing to or maintaining low level 0V / I_{sink} ≤ 0.4mA:

- ❖ During an AC power-loss
 - Low signal min. 2mS before the PSU output goes out of regulation.
- ❖ During the start- up process of the PSU, until the output voltage is in regulation.
- ❖ While the PSU is shut-down by using the RC function.
 - Low signal min. 2mS before V_{out} is out of regulation.
- ❖ At a fan failure or –blockage.
 - Causes the PSU to shut down.
 - Self restart if the fan returns automatically to operation.
- ❖ At a zero- or low load condition
 - ≤1.5% of rated P_{out} (E.g. an open fuse between load and PSU)



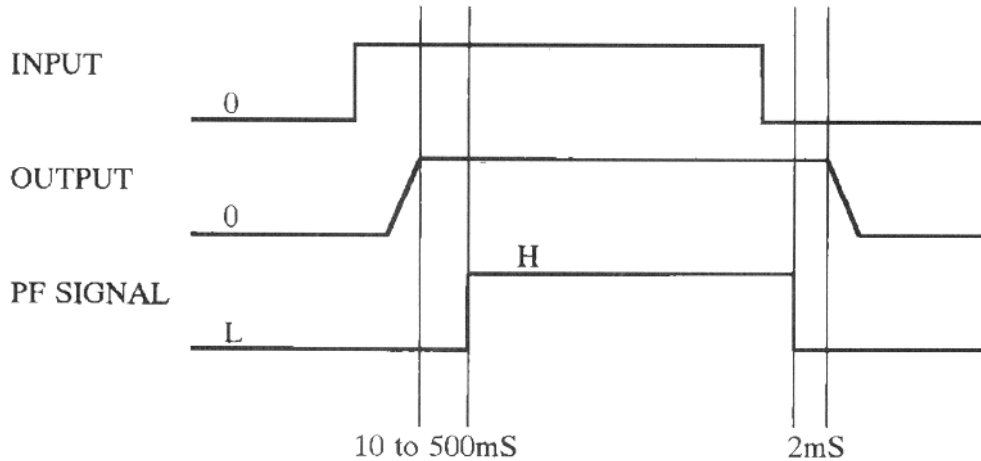
Power Fail Detection

on WR and FH series

Timings

The signal gets to "H" at 10 to 500mS after the Start-up.

The signal turns to "L" at 2mS before the Shut-down. (at Full load)



Voltage and Current

"H" level is 5V (Applox.), Source 0.4mA Max.

"L" level is 0V (0.5V), Sink 4mA Max.

Relation with Remote ON / OFF

The signal gets to "H" at 10 to 500mS after turning the Remote ON.

The signal turns to "L" with turning the Remote OFF.

