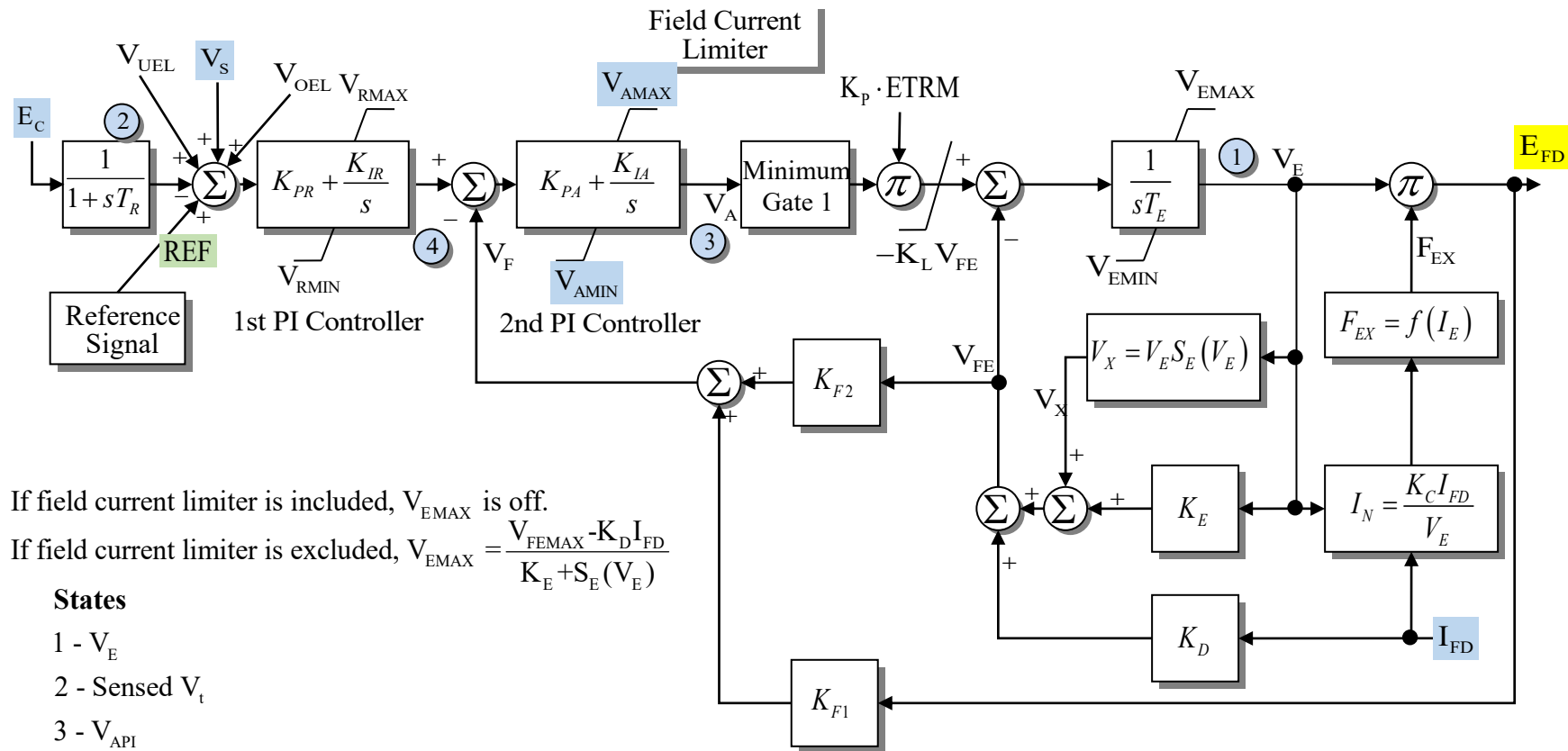


Exciter EX2000

Exciter EX2000
IEEE Type AC7B Alternator-Rectifier Excitation System Model



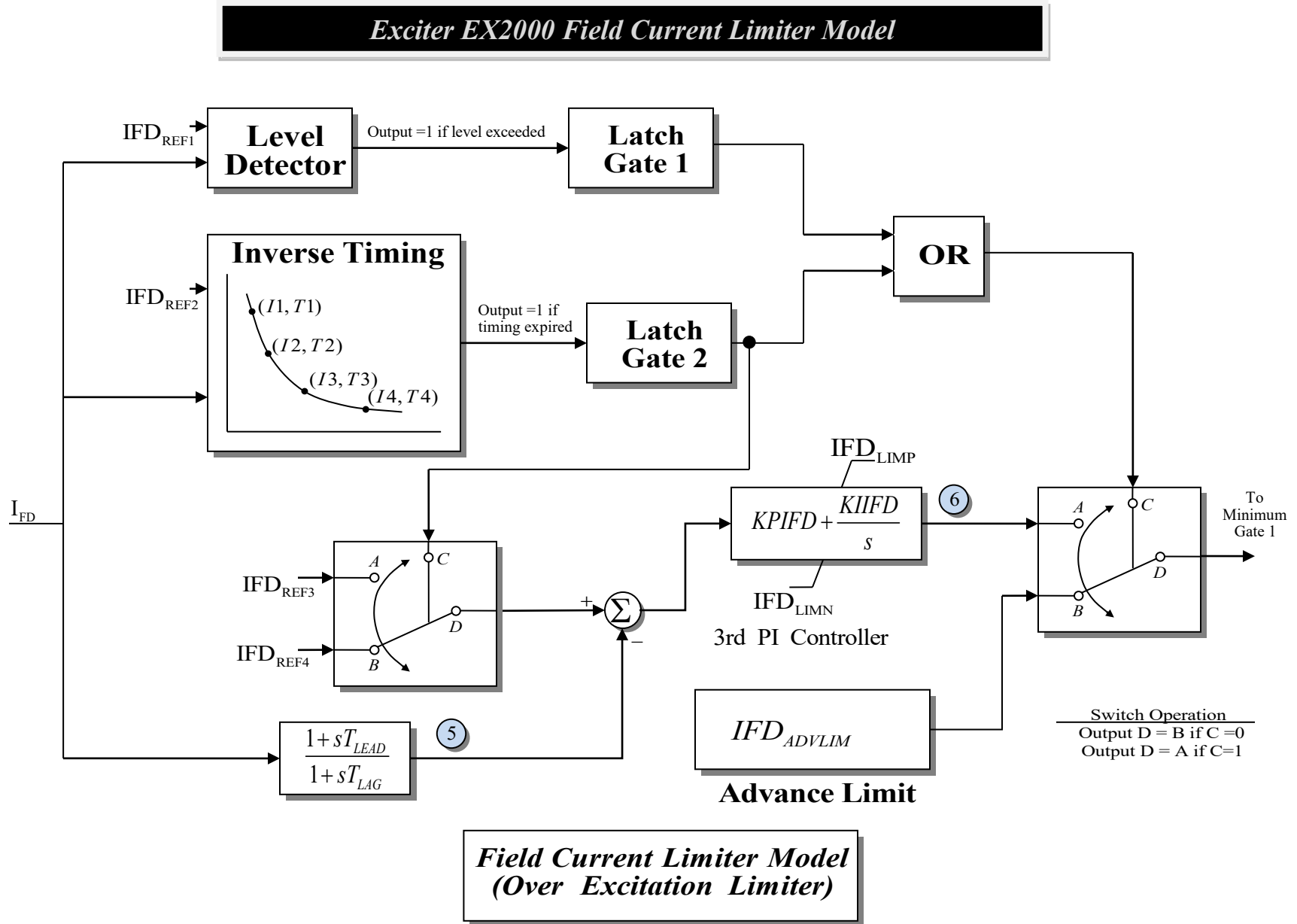
If field current limiter is included, V_{EMAX} is off.
 If field current limiter is excluded, $V_{EMAX} = \frac{V_{FEMAX} - K_D I_{FD}}{K_E + S_E (V_E)}$

States

- 1 - V_E
- 2 - Sensed V_t
- 3 - V_{API}
- 4 - V_{RPI}
- 5 - LL
- 6 - IFD_{PI}

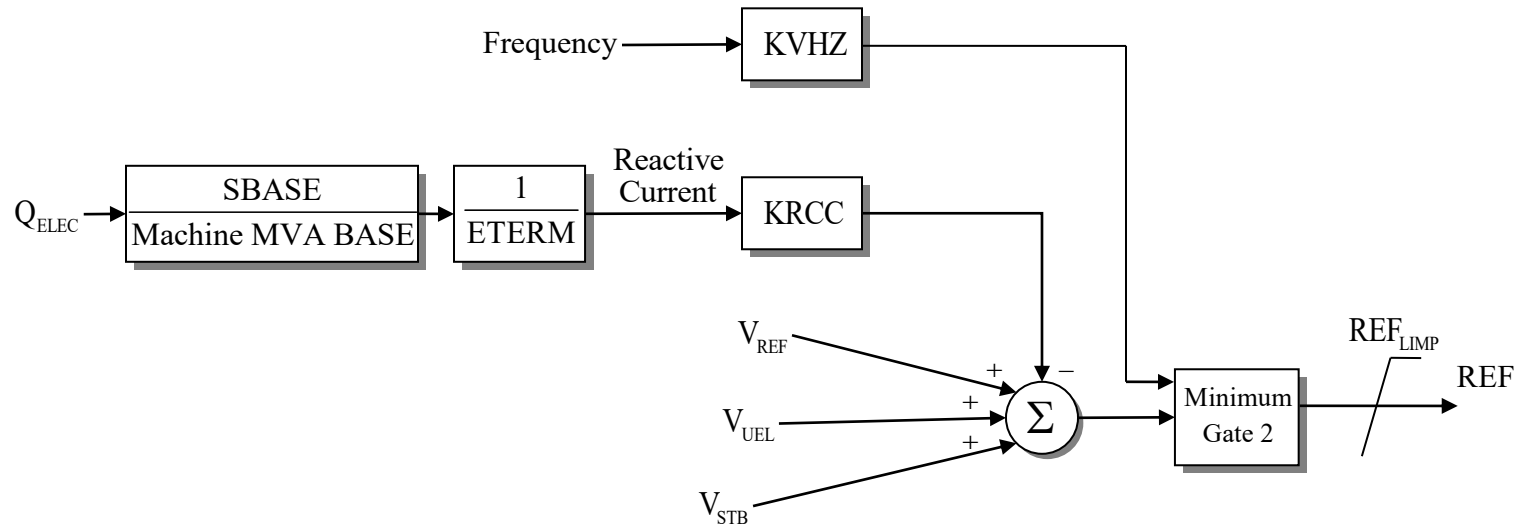
Model supported by PSSE

Exciter EX2000 FIELD CURRENT LIMITER MODEL



Exciter EX2000 REFERENCE SIGNAL MODEL

Exciter EX2000 Reference Signal Model



Reference Signal Model