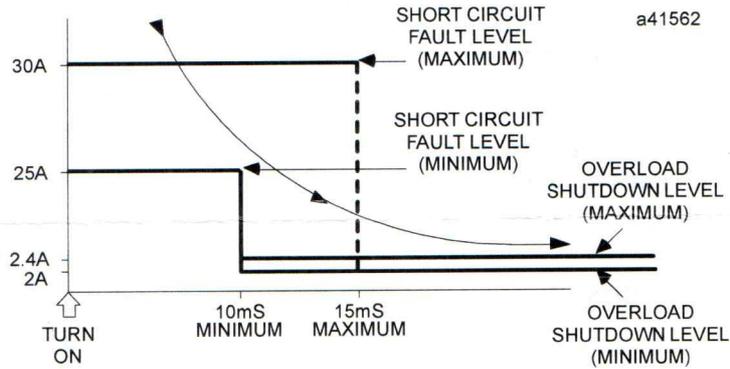


DC Output Overload

For a DC output, overload occurs if the output exceeds 2 amps continuously for 10mS after the initial 10mS turn-on period. DC circuit protection is shown below.



Individual outputs can be configured not to shut off at this level or send the OVERLOAD message. These restrictions apply:

1. Maximum load current: 10 amps
2. RMS Maximum duty cycle: limit duty cycle so that: (load current) x (% ON) is less than 1.0 amp.
3. Maximum ON time: 1 minute
4. Maximum total current of all outputs ON at the same time is less than 15 amps.

For example, a maximum 10 amp load can be pulsed at a 10% duty cycle, or up to 1 minute ON and 9 minutes OFF. Higher repetition rates can be used if the duty cycle is maintained. Exceeding the 10 amp limit may cause a short circuit fault to be generated. The duty cycle derating to an average of 1 amp output current and the ON time limit are necessary to avoid overheating due to the increased power dissipation in the block at these high currents. Exceeding these limits may cause an overtemperature fault.