

# Alarm signal /17

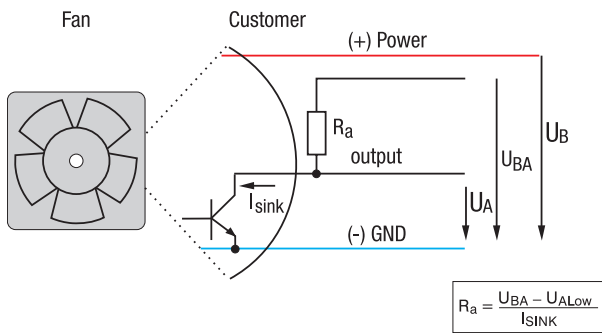
## Speed limit

- Alarm signal for speed monitoring
- Signal output via open collector
- The fan emits a continuous high signal during trouble-free operation within the permissible voltage range.
- Low signal when speed limit is not reached
- After elimination of the fault, the fan returns to its setpoint speed; the alarm signal reverts to high.

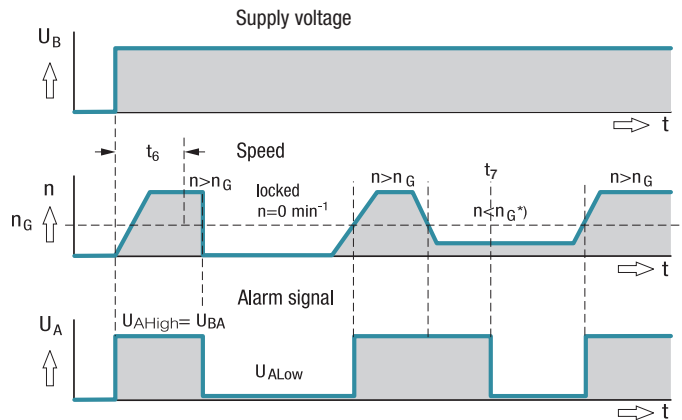
### Available on request:

- Integrated signal storage for subsequent recognition of short-term faults (latch).
- Alarm circuit open collector or TTL.
- Electrically isolated for maximum device safety; Defects in the power circuit do not affect the alarm circuit.

### Electrical hookup



All voltages measured to ground.  
External load resistor  $R_a$  from  $U_A$  to  $U_{BA}$  required.



$t_6$  = Alarm signal suppression during startup  
 $t_7$  = Alarm delay time during run-up  
\*  $n < n_G$  by braking or locking

# Alarm signal /19

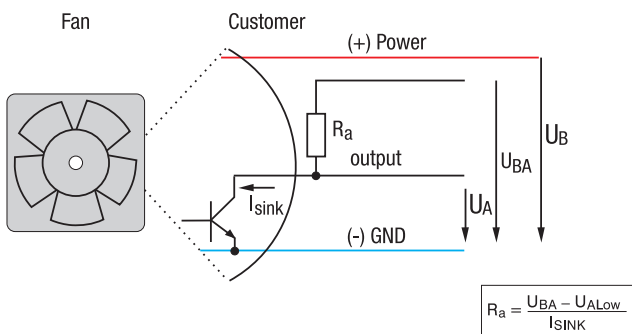
## Speed limit

- Alarm signal for speed monitoring
- Signal output via open collector
- The fan emits a continuous low signal during trouble-free operation within the permissible voltage range.
- High signal when speed limit is not reached
- After elimination of the fault, the fan returns to its setpoint speed; the alarm signal reverts to low.

### Available on request:

- Integrated signal storage for subsequent recognition of short-term faults (latch).
- Alarm circuit open collector or TTL.
- Electrically isolated for maximum device safety; Defects in the power circuit do not affect the alarm circuit.

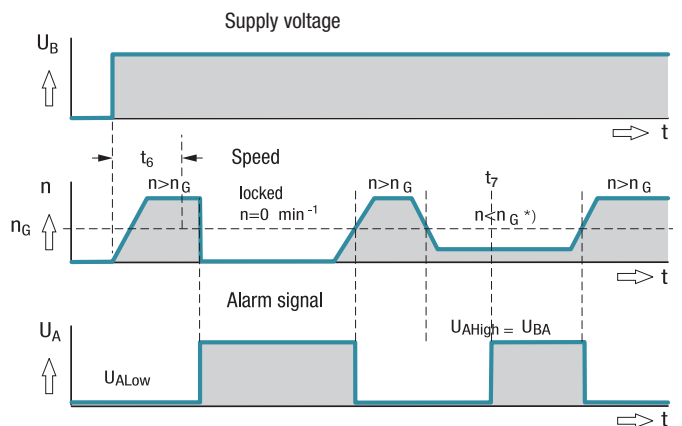
### Electrical hookup



All voltages measured to ground.  
External load resistor  $R_a$  from  $U_A$  to  $U_{BA}$  required.

### Note:

Fans that come with these fan specials could have variations with respect to the temperature range, voltage range, and power consumption compared to standard fans without specials.



$t_6$  = Alarm signal suppression during startup  
 $t_7$  = Alarm delay time during run-up  
\*  $n < n_G$  by braking or locking