

CIRCUIT-TEST

New Locked Rotor Alarm Signal Output

(Yellow wire lead)

Under normal conditions a locked rotor alarm signal outputs a constant signal frequency, if the fan stops spinning or "locks" it then outputs a "LOW" condition signal. If the fan starts spinning again, the "LOW" condition signal will go away.

Output Signal as a relation to Fan speed (RPM):

$T = T1 + T2 + T3 + T4$ (T1=low, T2=high, T3=low, T4=high pulse)

REVOLUTION PER SECOND = $1/T$

REVOLUTION PER MIN (RPM) = $(1/T) \times 60$

