

External mutable alarm on a 520/560 module

The 520 / 560 modules do not have an internal sounder. However many specifications call for a mutable audible alarm. This document outlines how this feature can be approximated using external components. The same circuit can be applied to any other DSE module with a DC positive alarm output, or auxiliary output that can be configured to perform this function.

DETAILS

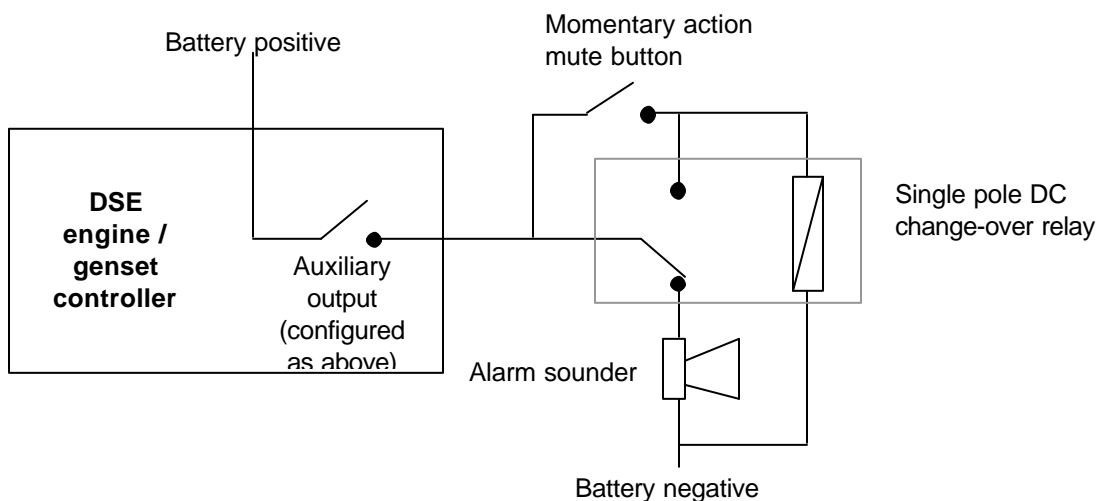
- The typical connection diagram of the module is still followed.
- You must configure one of the auxiliary outputs to drive your external sounder. Either :
Configure the output to be Common Alarm – All alarms (warning/shutdown) will activate the sounder. However if a warning alarm is muted, a subsequent warning/shutdown will not reactivate the sounder. Clearing the fault and resetting the module will automatically reset the mute circuit ready to catch the next warning or shutdown alarm.

Or :

Configure the output to be Common Shutdown – Only shutdown alarms will activate the sounder. Once muted, the alarm is silenced. Clearing the fault and resetting the module will automatically reset the mute circuit ready to catch the next shutdown alarm.

- Connect the sounder and mute push button as shown below, using the external relay to act as the mute latch.

TYPICAL CONNECTIONS



Should you have any queries arising from this application note please contact our Technical Department as detailed below:-

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