

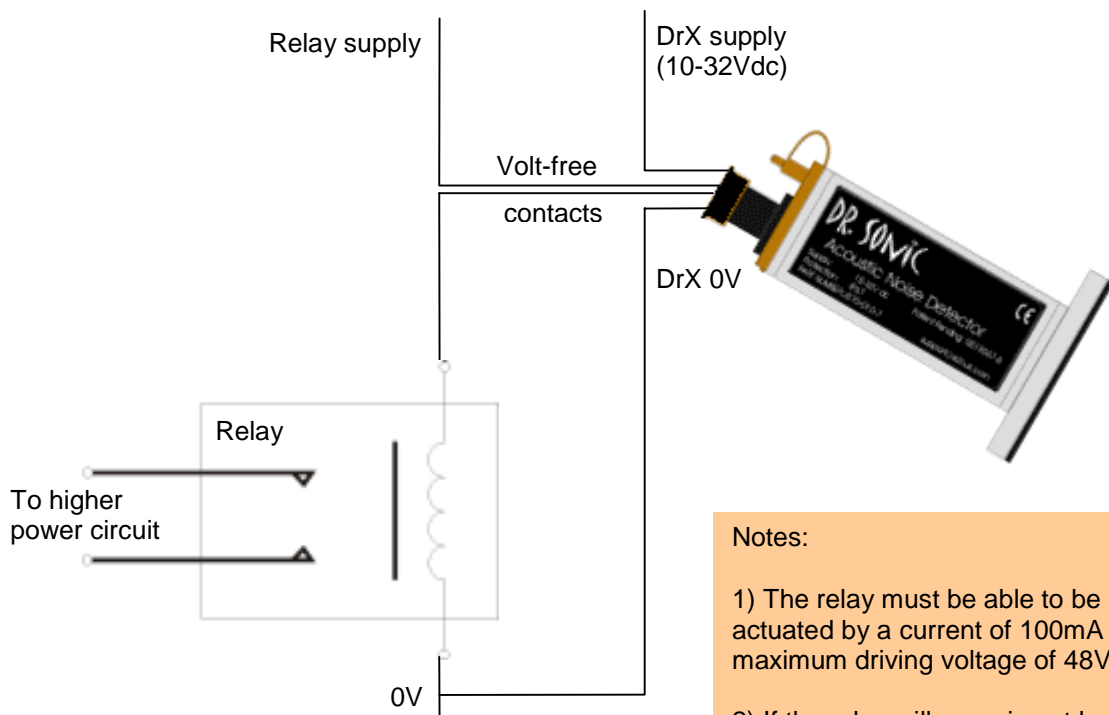
DrX Application Note

DrX	All DrX modules (except DrClick)
Subject	Driving a relay to increase volt-free output capacity
Note Ref.	AN270.04

Increasing the capacity of DrX volt-free output

The DrX series provide volt-free outputs as a standard method for interfacing to plc's, telemetry systems, or local annunciators or alarm systems. The rating of these outputs is nominally 100mA at 48V a.c. or d.c. and are normally-open contacts. (i.e. they close on alarm = when the light goes red).

In certain cases a larger switching capacity may be required. This could be to switch off power, activate an electromechanical device such as a solenoid valve or electric motor, or directly drive a siren or warning lights system. Whatever the requirement may be, the power handling of the DrX series can be increased by the easy addition of a relay using the circuit below:



Notes:

- 1) The relay must be able to be actuated by a current of 100mA with a maximum driving voltage of 48V.
- 2) If the relay will energise at less than 32V d.c. then the same supply can be used for the DrX module.

DRX SERIES