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NOTE SM-EZ-101 FOR
INFORMATION ON BASIC
ASSEMBLY TECHNIQUES

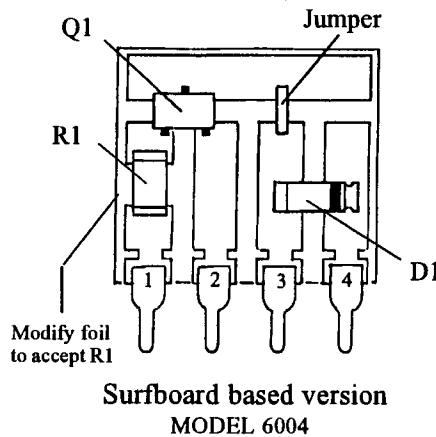
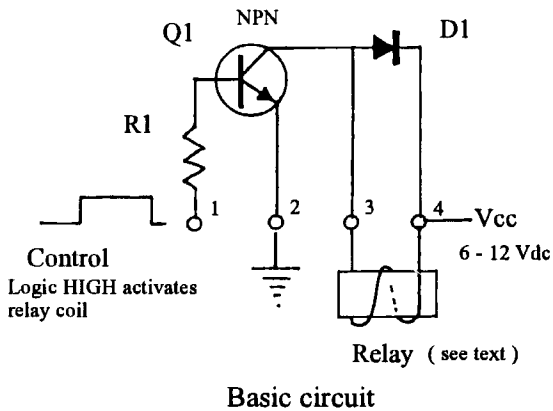
SURFNOTES™

BULLETIN
SP-101

PRACTICAL SURFACE MOUNT CIRCUIT APPLICATIONS USING SURFBOARDS

BUILD THESE USEFUL SURFACE MOUNT RELAY AND MOTOR INTERFACE CIRCUITS

RELAY DRIVER CIRCUIT PLUGS IN WHERE NEEDED WHEN BREADBOARDING



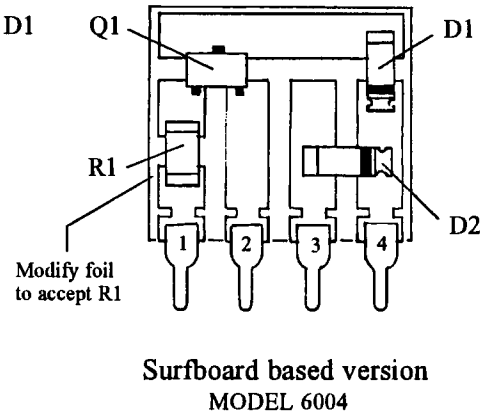
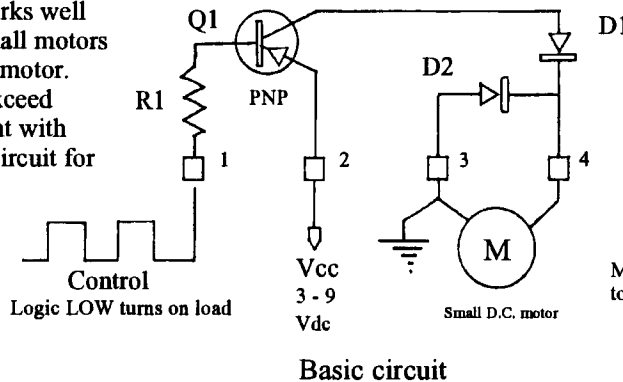
Easy to build relay interface circuit requires only one foil modification. Logic high turns on relay. Select relay that does not exceed transistor current capacity. Experiment with component values to tailor circuit for your application.

Part list / Description	
SURFBOARD - 6004	
Q1 - 2N2222	SOT-23
D1 - 1N4148	Mini Melf
R1 - 1-K	1206
RELAY	(see text)

INTERFACE CIRCUIT CONTROLS SMALL MOTORS FROM LOGIC SIGNAL

This simple interface circuit works well with inductive loads such as small motors and relays. Logic low activates motor. When selecting motor do not exceed current rating of Q1. Experiment with component values to optimize circuit for your application.

Part list / Description	
SURFBOARD - 6004	
Q1 - 2N2907	SOT-23
D1,D2 - 1N4148	Mini Melf
R1 - 1-K	1206
MOTOR	(see text)



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