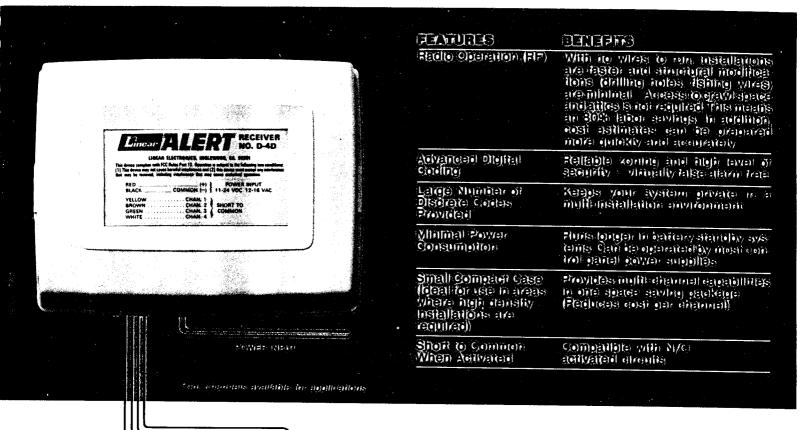
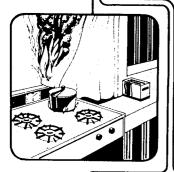


Wireless Radio Control From Linear Electronics

Four Channel Digital Receiver

Short to common (-) when activated











GENERAL DESCRIPTION

The Model D-4D receiver is a small economical package, designed for use in wireless security systems. It makes available four separate control channels in one receiver. All Linear Alert digital radio transmitters may be coded to activate this receiver, and any number of transmitters may be used to operate each channel. Up to 64 independent four channel security systems may be operated in adjacent areas.

4 SOLID STATE OUTPUTS

Each of the four channels controls a solid state output. The circuits associated with each of the outputs are normally open until activated. When activated, the outputs switch to common.

APPLICATIONS

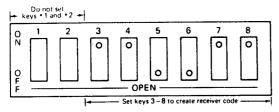
The Linear Alert Model D-4D is a versatile digital receiver. It is useful in 12-Volt wireless security systems that have central control panels. Each channel can perform a variety of functions. Applications include fire warning, motion/intrusion detection, panic alarm response, and medical reporting. Alternatively, this receiver can provide local annunciation, or control alarms associated with up to four fire or intrusion zones.

CODING INSTRUCTIONS

RECEIVER CODING

The digital coding switch in Linear's 4-channel receiver is recessed in the back of the receiver case. Use a pen, pencil or other pointed object to set the eight keys on the digital switch to the code you select. Note that keys 1 and 2 are not operational. Their functions are hard-wired on the circuit board.

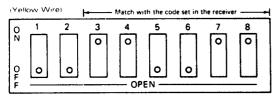
Set keys to ON or OFF positions from left to right (from numbers 3 through 8). In the example shown below, keys numbered 3, 4, 7, and 8 are set to ON, the keys numbered 5 and 6 are OFF.



CODING TRANSMITTERS

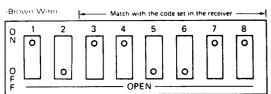
Inside each of Linear's digital transmitters is an 8-key switch which is identical to the switch in the 4-channel receiver. The keys numbered 3 through 8 must be set to the same code as the corresponding keys in the receiver. Set Key No. 1 and Key No. 2 on the transmitter coding switch as follows to establish which of the four receiver channels the transmitter will access.

Transmitter code to access Channel #1



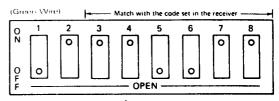
Channel No. 1 of the receiver is accessed by setting transmitter Key No. 1 to OFF and transmitter Key No. 2 to OFF.

Transmitter code to access Channel #2



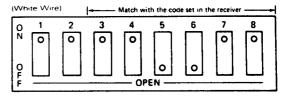
Channel No. 2 of the receiver is accessed by setting transmitter Key No. 1 to ON and transmitter Key No. 2 to OFF.

Transmitter code to access Channel #3



Channel No. 3 of the receiver is accessed by setting transmitter Key No. 1 to OFF and transmitter Key No. 2 to ON.

Transmitter code to access Channel #4



Channel No. 4 of the receiver is accessed by setting transmitter Key No. 1 to ON and transmitter Key No. 2 to ON.

HOOK-UP DIAGRAM

RED	(+) POWER INPUT 11-24 VDC Common (-) 12-16 VAC
BLACK ————	— Common (–)- 12-16 VAC
YELLOW —	CHANNEL 1
BROWN	CHANNEL 2
GREEN	CHANNEL 3
WHITE -	CHANNEL 4

SPECIFICATIONS

CODING TE modul are rec	ECHNIQUE ation at 250 bits quired for output	Pulse width A-1 per second. Four 8-bit words
NUMBER (4-Cha 4-Cha		64 system codes
R-F CARRII	ER	Range 290-320 MHz
RADIATED Rules,	OUTPUT Part 15	Complies with FCC
SELECTIVIT	ΓΥ	5 MHz at 5μV input

POWER REQUIREMENTS11 to 24 VDC 12 to 16 VAC Standby 15 mA Operating (typical) 15 mA
OUTPUT CAPABILITY Open collector low true output 40 mA max
OPERATING TEMPERATURE RANGE40 to +140° F (-40 to +60° C)
SIZE Approximately 4.9 x 3.8 x 1.3 inches (125 x 97 x 33 mm)