

MODE CHARTS

1. OVERVIEW

- This is a detailed description of the inputs and outputs for the PCB used in the AB-5 alarm box.
- Firmware version is 23_06_02.X NAVY(R5)
- The normal alarm pattern is for the buzzer and LED to alternate.

SWITCH	LEFT	RIGHT (toward letters)
E	Relay delayed 15 mins.	Relay behavior is immediate.
D	Relay N.C.	Relay N.O. (closes when alarm)
C	Auto reset of relay, LED, BZ	Latching alarm, must push button after level is corrected to reset relay, LED.
B	Push button shuts off buzzer, but LED & relay stays on until both LS1 and LS2 corrected. (open circuit)	Push button shuts off BZ,LED, and resets relay, regardless of level.
A	30 min buzzer snooze alarm	No buzzer snooze alarm



2. BEHAVIOR CHARTS

PB1	N.O.	OPEN	CLOSED	OPEN	
LS1	N.C	CLOSED			
LS2	N.C.	CLOSED			
Plug	N.O.	CLOSED			
BZ					
LED					
RLY		SET	SWITCHED	SET	

PB TEST

MODE CHARTS

PB1	N.O.				⤴	
LS1	N.C.	CLOSED	2 sec	OPEN		CLOSED
LS2	N.C.	CLOSED				
Plug	N.O.	CLOSED				
BZ				SHORT BEEPS		
LED						
RLY		SET		SWITCHED		SET

LS1 RESPONSE

PB1	N.O.				⤴	
LS1	N.O.	CLOSED				CLOSED
LS2	N.O.	CLOSED	2 sec	OPEN		CLOSED
Plug	N.O.	CLOSED				CLOSED
BZ						
LED						
RLY						

LS2 RESPONSE - NO RELAY

PB1	N.O.				⤴	
LS1	N.C.	CLOSED				CLOSED
LS2	N.C.	CLOSED				CLOSED
Plug	N.O.	OPEN	2 sec	CLOSED		OPEN
BZ						
LED						
RLY						

"Plug" RESPONSE