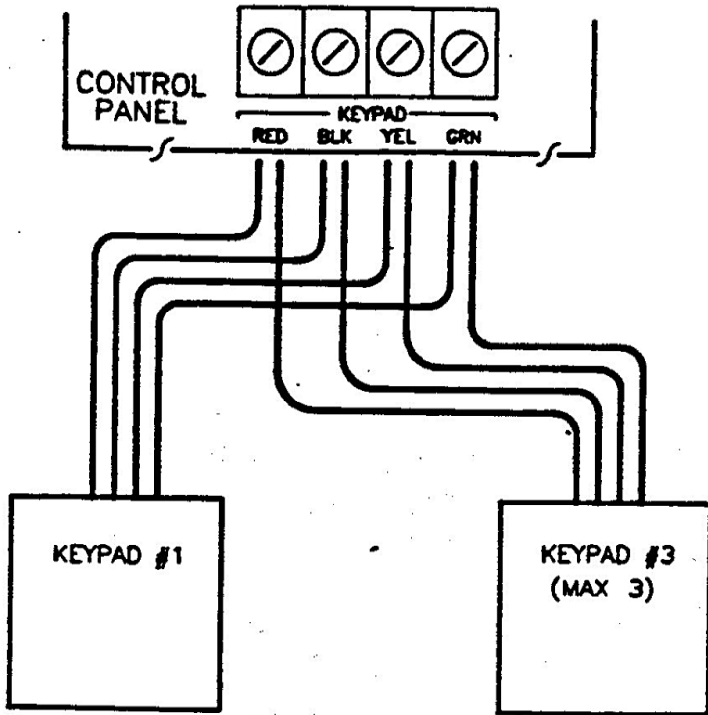


PC3000RK KEYPAD INSTALLATION



HINT:

If two wires of the same gauge are paralleled, the run length can be doubled. eg. if 8 #22awg wires (2-RED,2-BLK,2-YEL,2-GRN) are run to the keypad, the run length would double from 540 ft. to 1080 ft.

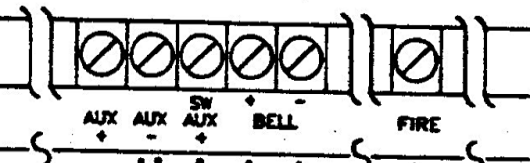
NOTES:

- Each keypad has four coloured leads, Red, Black, Yellow and Green. Connect the leads to the corresponding terminals on the panel.
- Up to three keypads may be connected in parallel. DO NOT connect multiple keypads on the same loop.
- The wiring table gives the maximum wire run from the control panel to the keypad for various gauges of wire. Wire run lengths are calculated based on the maximum current drawn by the keypad. eg. All lights "ON".
- For standby loading purposes, it is recommended that a current draw of 20 ma. per keypad be used. This represents the panel in the "disarmed" state with two zones in alarm.

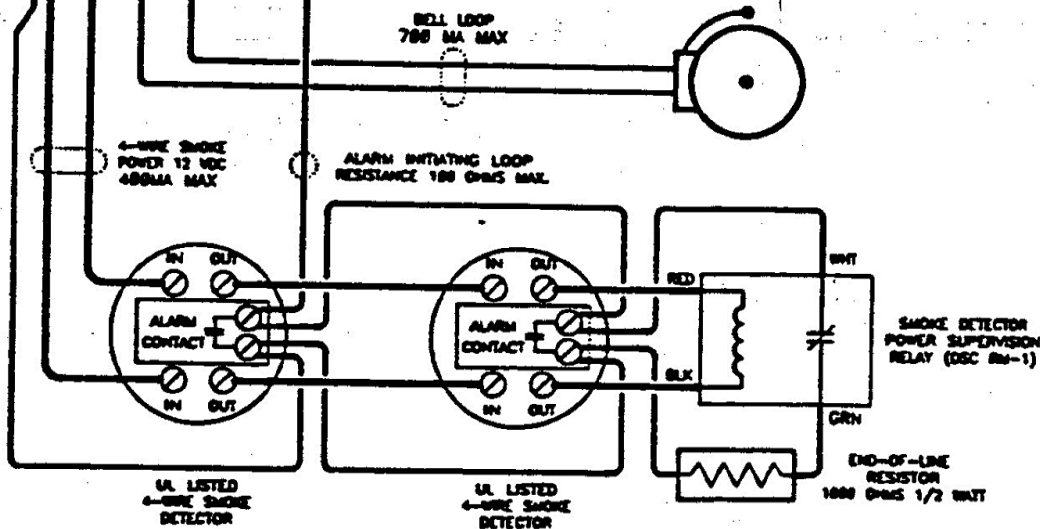
WIRING CHART PC3000RK

WIRE GAUGE	MAX. RUN LENGTH KEYPAD TO PANEL
24 AWG.....	330 FEET
22 AWG.....	540 FEET
20 AWG.....	850 FEET
19 AWG.....	1,000 FEET
18 AWG.....	1,350 FEET

PC3000 CONTROL PANEL



PC3000 FIRE LOOP HOOKUP



UL LISTED 4-WIRE SMOKE DETECTOR

UL LISTED 4-WIRE SMOKE DETECTOR

NOTE: SMOKE DETECTORS MUST BE LATCHING TYPE TO RESET SMOKE DETECTORS—PRESS (•) THEN HOLD DOWN KEY (4) FOR 2-3 SECONDS

ALARM INITIATING LOOP WIRING CHART

WIRE GAUGE	MAX. WIRE RUN TO END-OF-LINE RESISTOR
AWG	FEET
14	13500
16	8740
18	6120
19	4800
20	3840
21	3000
22	2420

BELL LOOP WIRING CHART

BELL CURRENT	MAX. WIRE RUN TO BELL/SIREN				
	AWG #14	AWG #16	AWG #18	AWG #19	AWG #22
No.	FEET				
30	2730	1740	1000	680	433
100	1375	870	545	434	216
200	690	435	270	217	108
300	460	290	180	144	74
400	345	215	135	108	54
500	275	170	105	88	43
600	230	140	90	72	36
700	195	125	80	62	30

SMOKE POWER LOOP WIRING CHART

LOOP CURRENT	MAX. WIRE RUN TO EOL RELAY				
	AWG #14	AWG #16	AWG #18	AWG #19	AWG #22
No.	FEET				
30	2730	1740	1000	680	433
100	1375	870	545	434	216
200	690	435	270	217	108
300	460	290	180	144	74
400	345	215	135	108	54