

CIVIL AIR DEFENSE WARNING SYSTEM
FOR DISSEMINATING WARNINGS FROM
KEYPOINTS AND SUBKEYPOINTS
TO
WARNING STATIONS AND SIREN
CONTROL STATIONS

1. GENERAL

1.01 This addendum supplements Issue I of the main section for the State of California only.

1.02 This addendum is issued to (1) change references to Civil Air Raid Warning (CARW) to read Civil Air Defense Warning

(CADW), (2) expand the range table showing maximum conductor loops resistance.

1.03 Wherever the term "CARW" is found in the main section it shall be understood to be "CADW".

2. SIGNALING PRINCIPLES

TABLE A

LINE TO CONNECTING CIRCUIT	AC VOLTAGE WITH 45V - 52V DC	MAXIMUM EARTH POTENTIAL (VOLTS)	MINIMUM INSULATION RESISTANCE (KILOHMS)	MAXIMUM CONDUCTOR LOOP — OHMS			
				MAIN INDICATOR ONLY	MAIN INDICATOR PLUS ONE EXTENSION INDICATOR*	MAIN INDICATOR PLUS ONE EXTENSION RINGER	MAIN INDICATOR PLUS TWO EXTENSION RINGERS*
2 Wire	65 - 90	0	15	600	50	300	200
"	70 - 90	0	"	1300	400	700	600
"	70 - 90	± 5	"	800	150	400	200
"	70 - 90	±10	"	300	—	—	—
"	75 - 90	0	"	1800	800	1200	1000
"	75 - 90	± 5	"	1300	400	800	600
"	75 - 90	±10	"	900	200	400	300
"	80 - 90	±10	"	1300	400	900	700
4 Wire	65 - 90	—	15	500	—	200	100
"	70 - 90	—	"	1000	200	500	400
"	75 - 90	—	"	1500	600	1000	900
2 Wire	65 - 90	0	50	1000	200	600	200
"	70 - 90	0	"	1800	700	1200	700
"	70 - 90	± 5	"	1300	300	800	400
"	70 - 90	±10	"	600	—	300	—
"	75 - 90	0	"	2600	1000	1700	1200
"	75 - 90	± 5	"	2000	700	1300	800
"	75 - 90	±10	"	1600	400	800	500
"	80 - 90	±10	"	2400	800	1500	900
4 Wire	65 - 90	—	50	800	100	500	300
"	70 - 90	—	"	1500	400	800	700
"	75 - 90	—	"	2000	700	1500	1100

*Note 1: The addition of an extension indicator or two extension ringers will reduce by one the number of lines which can be served by a given central office ringing source.

Note 2: The extension ringers are the B1AL type, connected across the line in series with a 0.5 MF capacitor and a 3600-ohm resistor.