



DEPENDABLE EMERGENCY COMMUNICATIONS

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**HALMA
GROUP
COMPANY**

A782-1

CPM/CPC DETECTOR

INSTALLATION AND OPERATION

The A782-1 is a specific version of the A782. The A782-1 is designed to momentarily open a telephone line connection when a single precise Call Progress Monitoring (CPM) tone or a combination of CPM tones is present for a switch selectable period of time. The A782 allows for a user adjustable tone to be set. For the A782-1, this tone is preset. The unit consists of a small plastic box with two RJ-11 connectors and an external wall converter power supply. The A782-1 is inserted in the telephone line using the RJ-11 connectors. An LED lights when the unit is activated.

1. INSTALLATION

1.1 Mechanical

The A782-1 can be placed on a horizontal surface, such as a table or shelf. It can also be wall mounted using double sided foam tape (not provided).

1.2 Electrical

Power for the A782-1 comes from an external wall converter power supply. This supply must be plugged into a local 120VAC outlet. The low voltage cable is plugged into the round power connector on the side of the A782-1 (see figure at end of instructions).

Modular telephone cords are used to connect the A782-1 to the incoming telephone line and to the local telephone equipment. The RJ-11 near the power connector is typically connected to the local equipment, but this is not critical.

2. PROGRAMMING

2.1 Programming Switch

To program the A782-1, remove the cover and identify Switch 1 inside.

2.2 Frequency Selection

In the A782-1 there are five fixed frequency tones that may be activated. The A782-1 will only respond to tones that are selected. Switch 1, positions 5 to 9 are used to select the tones. If more than one tone is selected, all tones must be present to active the unit. When the tone or tones are present, the LED on the front of the unit will light and a momentary disconnect (CPC) will be generated.

Switch 1 Settings – Table 1

<u>Position 5</u>	<u>350Hz frequency</u>
<u>Position 6</u>	<u>620Hz frequency</u>
<u>Position 7</u>	<u>440Hz frequency</u>
<u>Position 8</u>	<u>480Hz frequency</u>
<u>Position 9</u>	<u>660Hz frequency</u>

Note: switch must be ON to select the frequency

2.3 Time Period Selection

The time that the selected frequencies are present before the telephone line is disconnected is selectable, in one second increments, from 1 to 15 seconds by setting combinations of Switch 1, positions 1 to 4.

Switch 1 Settings - Table 2

Time	Position 1	Position 2	Position 3	Position 4
1 second	ON	OFF	OFF	OFF
2 seconds	OFF	ON	OFF	OFF
3 seconds	ON	ON	OFF	OFF
4 seconds	OFF	OFF	ON	OFF
5 seconds	ON	OFF	ON	OFF
6 seconds	OFF	ON	ON	OFF
7 seconds	ON	ON	ON	OFF
8 seconds	OFF	OFF	OFF	ON
9 seconds	ON	OFF	OFF	ON
10 seconds	OFF	ON	OFF	ON
11 seconds	ON	ON	OFF	ON
12 seconds	OFF	OFF	ON	ON
13 seconds	ON	OFF	ON	ON
14 seconds	OFF	ON	ON	ON
15 seconds	ON	ON	ON	ON

