

Wireless smoke detector MCT-423 functional description

The EUT, MCT-423, is a photoelectric smoke detector fitted with a PowerCode-type fully supervised UHF transmitter. It is designed to sense smoke, not gas, heat or flame. The detector provides early warning of developing fires by sounding an alarm with its built-in alarm horn and by transmitting a coded alarm signal to a wireless alarm control panel.

SPECIFICATIONS

Smoke detector:

Detection sensitivity: $2.3 \pm 1.2 \% / \text{ft}^3$.

Alarm sound level: 85 dB at 3 m

Transmitter and coding:

Operating frequencies (MHz): 315, 404, 418, 433.92 or other frequencies according to local requirements

Message repetition: repetitive transmission (once every 3 minutes) or one-shot, as selected with on-board DIP switch.

Supervision: automatic signaling at 60-minute intervals.

Electrical data:

Power source: 9 V Alkaline or Lithium

Current drain: 28 μA standby, 20 mA in operation

Battery supervision: automatic transmission of battery status data as part of any transmitted message

More detailed information is contained in Installation instructions.

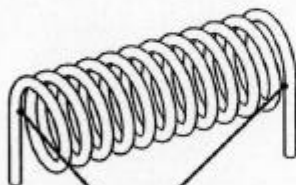
Antenna schematic diagram is on the next page.

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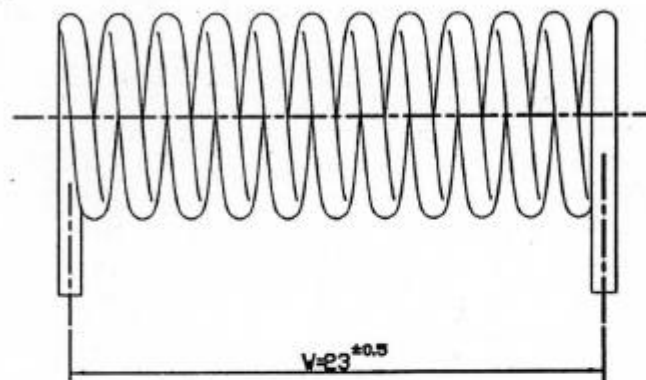
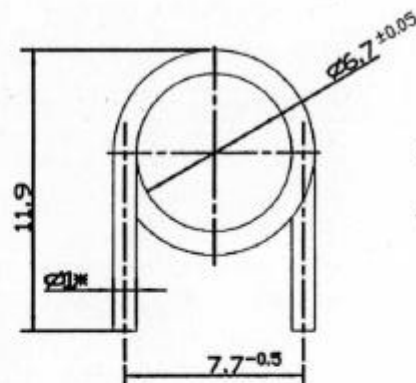
Date Released

To whom

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✓ Avoid contact between
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SCALE 4.000

ØWIRE	1.0
URNS	11.5
V	23

NOTES:

1. Material: Spring steel wire 17223
2. The entire part is tin plated

			PRODUCT NAME: RPT-3 (315)			SCALE: 4:1	Upd.	REF
			PART NAME: HELICAL ANTENNA 1.0x8.7x11.5			MATERIAL: SEE NOTE 1	0	ECO-7-188
APX2-1-3	NAME	DATE	SIGNATURE	MODEL REV.0	DOC. REV.3		1	ECO-7-486
DESIGNED	Y.Rimon	11/02/97	✓	CATALOG No. 25806512			2	ECO-8-113
CHECKED			✓	DRAWING No. 25806512			3	ECO-9-983
UPDATED	Z.Genkin	28/09/99		CAD FILE: 25806512.dwg			4	
APPROVED	I.Pinhas	28/09/99		SHEET # of 1/1			5	