

# RPT

## Remote Pressure Transducer



### General description

The RPT is a remotely addressable pressure transducer that allows to monitor the absolute air pressure along pressured telephone cables.

The high resolution of 0.5% in the range of 800-2000 mbar helps to detect and locate a leaks even in presence of small pressure variations.

Its small size allows RPT to be easily placed in cable joints.

Thick film hybrid technology provides high accuracy and stable characteristics.

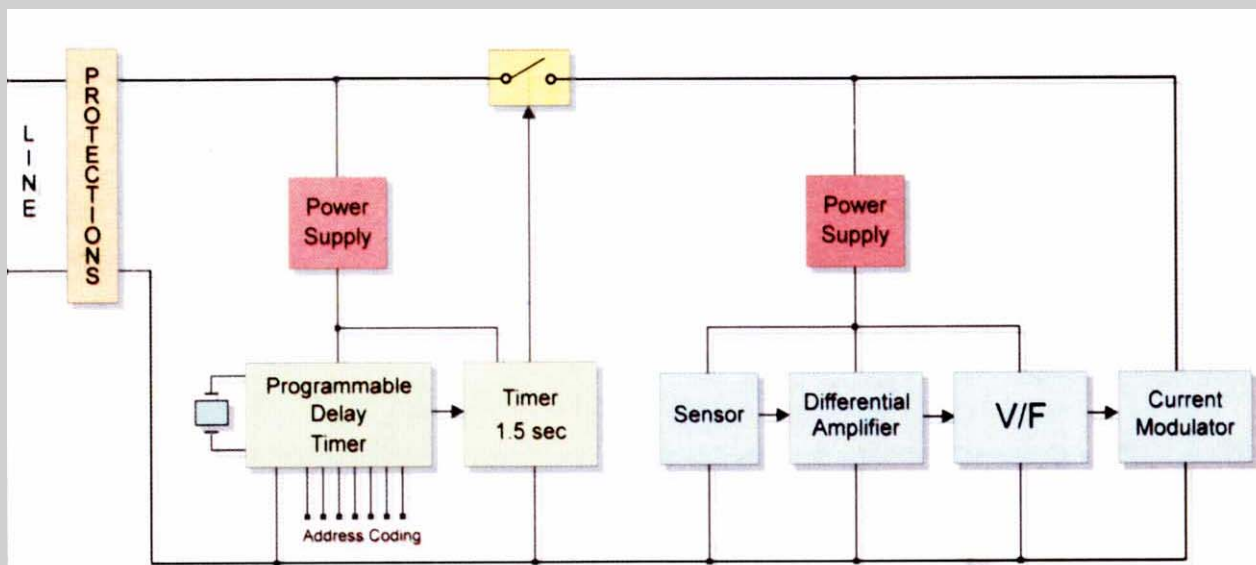
### Applications

- Pressure monitoring in pressurized cables
- Industrial applications

### Features

- Telecom Italia Certified : spec. N.1239
- High Resolution
- High Accuracy

### BLOCK DIAGRAM

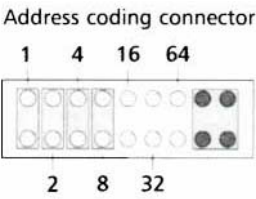


Electrical Characteristics

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Vcc	Supply Voltage	20		120	VDC
Iw	Working Current	5	6	7	mA
Isb	Stand-by current	45	55	95	uA
Pr	Pressure Measurement Range	800		2000	hPa
Fr	Modulation Frequency Range	800		2000	Hz
	Freq.Variation vs Pressure Change		1		Hz/hPa
As	Amplitude of the modulating signal	-1		1	dBm
	Accuracy (full scale)		+/- 0.5	+/- 0.8	%
	Temperature Deviation		+/- 0.02		%/°C
Top	Operating Temperature Range	-20		+80	°C

Mechanical Dimensions

L x W x T = 94 x 36 x 18 mm



TYPICAL APPLICATION

