

## APAQ-3LPT

# Analog Adjustable 3-wire Transmitters

APAQ-3LPT



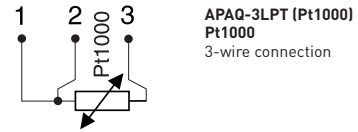
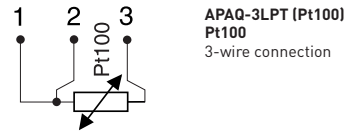
APAQ-3LPT is a multirange 3-wire temperature transmitter with Pt100 or Pt1000 input and 0-10 V output. Main applications are in the HVAC sector, where the control systems often require 0-10 V input signals. APAQ-3LPT is designed for high reliability and good industrial performance.

- 0-10 V output
- Rangeable with solder pads and potentiometers
- Temperature linear output
- Selectable sensor break function
- Short-circuit protected output
- Polarity protected power supply

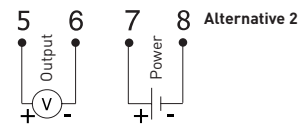
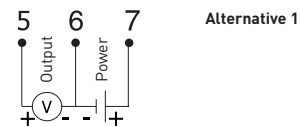
### Specifications:

	APAQ-3LPT (Pt100)	APAQ-3LPT (Pt1000)
<b>Input</b>	Pt100 <sup>1)</sup> , 3-wire connection	Pt1000 <sup>1)</sup> , 3-wire connection
Maximum lead resistance	11 Ω / wire	11 Ω / wire
<b>Sensor break</b>	Upscale (>11 V), Downscale (0 V)	Upscale (>11 V), Downscale (0 V)
<b>Adjustments</b>		
Span	50/100/150/200 °C 100/200/300/400 °F	50/100/150/200 °C 100/200/300/400 °F
Fine adjustment	±10 %	±10 %
Zero	-50 to +50 °C -60 to +120 °F	-50 to +50 °C -60 to +120 °F
<b>Output</b>	0-10 V, 3-wire connection	0-10 V, 3-wire connection
Minimum load	10 kΩ	10 kΩ
Short-circuit protection	Yes	Yes
<b>Operating Temperature</b>	-20 to +70 °C / -4 to +158 °F	-20 to +70 °C / -4 to +158 °F
<b>Linearization</b>	Temperature linear output	Temperature linear output
<b>Galvanic isolation</b>	No	No
<b>Power Supply</b>	15 to 30 VDC (polarity protected)	15 to 30 VDC (polarity protected)
Current consumption	12 mA	12 mA
<b>Typical accuracy</b>	±0.15 % of temperature span	±0.15 % of temperature span
<b>Mounting</b>	Rail acc. to DIN EN50022, 35 mm	Rail acc. to DIN EN50022, 35 mm

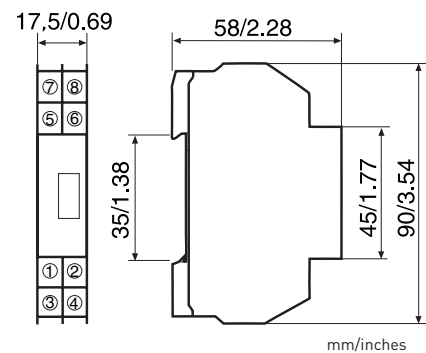
### Input connections



### Output & power supply connections



### Dimensions



### Ordering information

APAQ-3LPT (Pt100)	70AP3L0001
APAQ-3LPT (Pt1000)	70AP3L0002
Configuration	70CAL00001

<sup>1)</sup>IEC 60751, α=0.00385