

AEW520 RTD Head Mount Two Wire Transmitter

Description

The ADW520 is a RTD PT100 two wire transmitter. As the input signal varies from 0 to 100%, the supply current is modulated from 4 to 20mA.

Technical Specifications

Input

Standard input type as PT100 3 wire RTD, other types available on request.
 Multirange input from 25 to 600 °C , selectable by span and zero jumper links.
 Input O/C drive: Selectable Up or down.

Output

Selectable: 4 - 20mA or 20 - 4mA.
 the maximum line resistance determined by the supply voltage.
 E.g. Up to 700 ohms @ 24Vdc.

Supply

Nominal 24Vdc
 Can vary from 6.2 to 32V.

Performance

Linearity $\pm 0.1\%$
 10-90% Time Constant <400mS
 Line resistance compensation.

Isolation

250V RMS. Input/Output

General Specifications

Optimum operating conditions when
 when supply voltage 24Vdc

Environmental Conditions

Storage Temperature -40 to 70°C
 Operating Ambient -15 to 55°C
 Relative Humidity 5-95 % RH

WIRING

