Living Space Temperature Transmitter

This living space temperature transmitter converts a measured temperature into an electric current signal, to provide temperature control in occupied areas.

The sensor is delivered as a complete unit, comprising a sensing element and an amplifier mounted within an aesthetically pleasing plastic enclosure, suitable for wall mounting or in a standard switch box in dry, dust free rooms.
The transmitter is connected by a 2-wire cable, which serves for both the power supply and the signal transmission. Reading the measured signal value is achieved by having an external load resistance $R_L$.

The supply voltage $U_M$ is a function of the voltage across the sensor $U_G$ and the voltage drop across the load resistor and the wire resistances $R_I$.

$U_G$ Max. = 30 VDC, $U_G$ Min = 15 VDC.