MORGUI INSTRUMENTS

PRODUAL measure-be sure.

LUX 34 LIGHT LEVEL AND TEMPERATURE TRANSMITTER

LUX 34 is a transmitter measuring the intensity of light and temperature and converting the results into linear 0-10V signals, which can be used for controlling lighting and heating via HVAC system.

The range of 0...1000 lx (S1=on; factory setting) or 0...10000 lx (S1=off) can be chosen by the installer. The range coding jumper switch S1 is located on the board inside the casing.

Also a model LUX 34-100 with the ranges of 0-100 lx and 0-500 lx is available. Factory setting is 0-100 lx.

The range of the temperature output is always -50 … +50°C = 0…10V.

The location for the installation on the wall is recommended to select so, that the transmitter will not be exposed to the direct sunshine or external light sources disturbing the measuring.

Technical data:

Supply	24Vac/dc (22…30Vac/dc) < 0,1VA
Outputs	0-10V, < 1mA
Measuring ranges	
light level LUX 34	0...1000 lx* or 0...10000 lx
light level LUX 34-100	0…100 lx* or 0 …500 lx * factory setting
temperature	-50 …+50 °C
Sensor elements	
light level	photodiode
temperature	Pt1000 EN60751 B
Dimensions (w x h x d)	90 x 94 x 44 mm
Housing	IP 54, cable entry down
Materials	PBT, PC and PA

Wiring:

1	24 Vac/dc
2	0V
3	0-10Vdc output (= light level)
4	0-10Vdc output (= -50…+50 °C)

Ordering guide:

Model	Product number	Description
LUX 34	1133310	light level transmitter 1000 lx / 10000 lx
LUX 34-100	1133311	light level transmitter 100 lx / 500 lx

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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