


Room Light Transmitter RLT511

DESCRIPTION

The RLT511 is a loop powered LUX or light intensity transmitter mounted in a standard HPM Excel style switch plate. Standard output is 4 - 20mA with a minimum supply voltage of 6.3V. This enables the RLT511 to be used in 12V battery supply systems. Typical applications include lighting control for building automation and energy management.



GENERAL SPECIFICATIONS

- Size: 74W x 117H x 25D (including terminal block at the back)
- Mounting: Choice of 8 holes after removing decorator plate.
- Connection: Plug in terminal block / 0.5 – 1.5mm².
- Calibration accuracy: < 5% of range.
- Operating temperature range: -10...+65°C.
- Temperature drift error: <0.5% within operating range.
- Supply voltage: 6.3-40V continuous (50V 30 seconds).
- Load for 4-20mA output: $RL_{max} = \frac{\text{Supply V} - 6.3V}{0.02} \Omega$
- Load change effect: 0.1% up to RL max.
- Response time: 0.2 sec for T90.
- Input range: Dip switch or solder blob select from 200 up to 187000 LUX range.
- Electromagnetic compatibility: Complies with AS/NZS 4251.1 (EN 50081.1) 

Ordering Information

Item Number	Process Output	Measurement Setting	Response
*) RLT511-11	4 - 20mA 2-wire output	dip-switch selectable see range table	200ms
RLT511-12	4 - 20mA 2-wire output	specify LUX range, e.g. 0 – 1000 LUX	200ms
RLT511-19	4 - 20mA 2-wire output	specify LUX range, e.g. 0 – 2700 LUX	5ms

*) = Price Extra.

Input LUX setting available with “RLT511-11” model

SET \ LUX	1	2	3	4	5	6
0 – 200	X	-	-	-	-	-
0 – 500	-	X	-	-	-	-
0 – 1000	-	-	X	-	-	-
0 – 2000	-	-	-	X	-	-
0 – 5000	-	-	-	-	X	-
0 – 10000	-	-	-	-	-	X
Any combination is also available: e.g.						
0-1700	X	X	X	-	-	-

X = switch on, - = switch off.

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