



OMEGA TYPE ICT 918 The light intensity control system is designed to bring out these features in the form of a laboratory experiment. The light panel comprises of a number of LED which get power from amplifier. Average intensity of the panel is sensed by a light sensor and a suitable voltage level is produced. Error detector, reference input and error amplifier are of standard configurations found in any linear control system. In addition to the above, the light panel also contains a few uncontrolled LED which may be used as disturbance source. Further square and triangular wave signals are available for dynamic response studies. Measurement points are provided for monitoring the performance of the system.

OBJECT

- 01 To study characteristics of the non linearities
- 02 To study error with P & PI feedback.
- 03 To study Disturbance Rejection
- 04 To Study dynamic response.

TECHNICAL SPECIFICATION

- 01 Built-in 3½ digit DPM for measuring DC Voltage
- 02 Built-in square and triangular wave source
- 03 Built-in amplifier and controller of LED
- 04 Built-in P & PI controller
- 05 Built-in LDR signal generating circuit
- 06 Power Supply : 230V±5%, 50Hz
- 07 Interconnections : 4mm banana sockets
- 08 Power Consumption : 10 VA (approximately)
- 09 Operating Conditions : 0-40°C, 85% RH
- 10 Dimension : W415x H165 x D315 (mm)
- 11 Weight : 6Kg (approximately)

LIST OF ACCESSORIES:

- 01 Patch Cord 4mm length 50cm Red & Black-4 Nos.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

Works:

28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
omegajaipur62@gmail.com

www.omegaelectronics.net

Marketing Division:

B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223