

GELCO PRESENTS

AUTO—PHOTO

The Automatic Light Control Switch

Is it not magic? The lights are switched on or off automatically at sunset & sunrise.

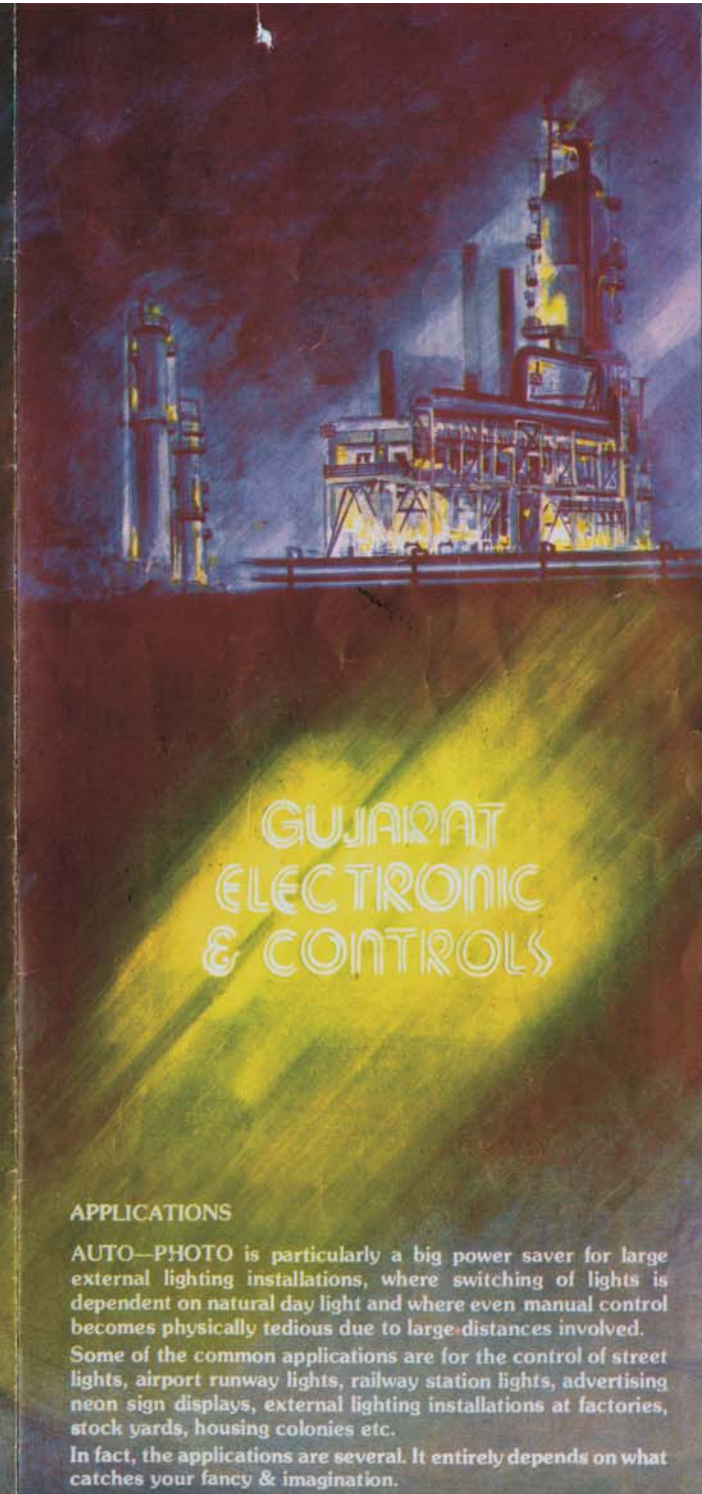
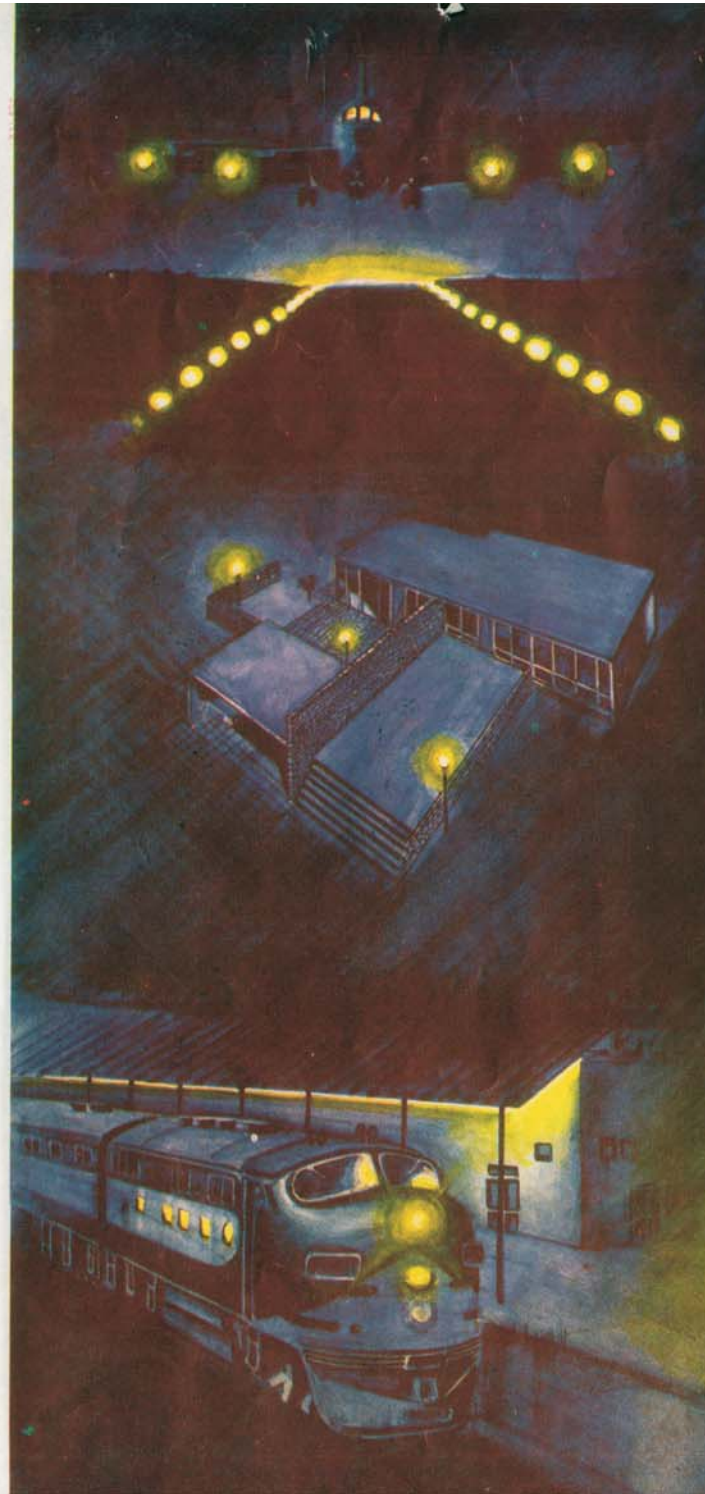
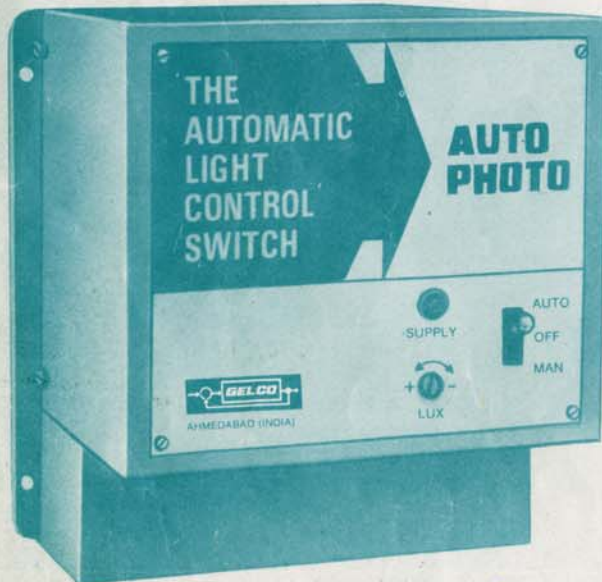
This wonderful magical feat is performed by **AUTO—PHOTO**
The Automatic Light Control Switch from GELCO

AUTO—PHOTO works wonder for large light installations such as those at streets, air-ports, railway stations, sprawling industries and housing colonies etc. At such installations, a chain of hundreds of lights is required to be controlled from an easy accessible point. Normally, the controlling switches are operated manually. More recently clock timers, though costly, are also being used. Result -the lights are switched on much earlier and switched off much later than necessary, or vice-versa. It means wastage of precious power and increase in power bills.

AUTO—PHOTO is the answer to this puzzling riddle. It employs a photo sensor to control the switch, automatically, pre-adjusted to a desired intensity of natural light available at sunrise or sunset times. The lights are switched on or off as the case may be.

It means optimising the light availability and saving in power and labour bills.

Surely, **AUTO—PHOTO** is designed to remain unaffected by natural disturbances in light conditions due to seasonal variations, clouds, thunder lightening or even artificial lights. If necessary, It can be operated manually also.



GUJARAT
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APPLICATIONS

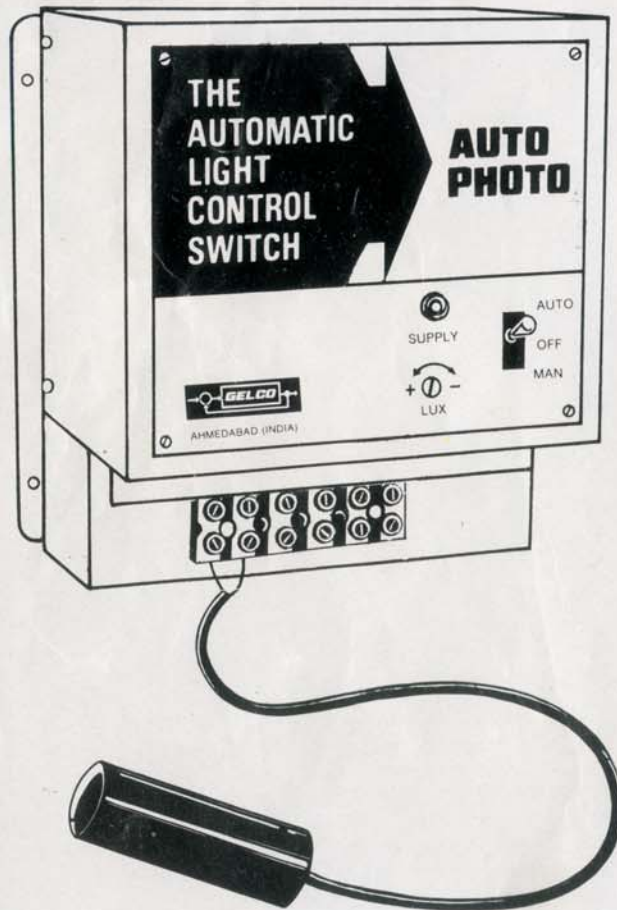
AUTO—PHOTO is particularly a big power saver for large external lighting installations, where switching of lights is dependent on natural day light and where even manual control becomes physically tedious due to large distances involved.

Some of the common applications are for the control of street lights, airport runway lights, railway station lights, advertising neon sign displays, external lighting installations at factories, stock yards, housing colonies etc.

In fact, the applications are several. It entirely depends on what catches your fancy & imagination.

DESCRIPTION

AUTO—PHOTO essentially employs a light sensor exposed to the natural light in open space. From the collected diffused ambient light, it generates an electric pulse. The electric pulse activates a light dependent resistor which cuts on or off the electric current. The cut-off or cut-on electric currents can be adjusted through a knob with the help of an in-built rheostat. The device operates on 220V, 50 Hz supply from the mains. There is supply indicator light too. A three way switch is provided for adjusting it for automatic, manual or switching off operations



SPECIFICATIONS

	single phase model	Three phase model
Switch on level at dusk	4 to 16 Lux	4 to 16 Lux
Switch-off level at dawn	Switch-on level plus 10%	Switch-on level plus 10%
Switch on & off delay	10 Seconds	10 Seconds
Provision for natural light disturbances like lightning clouds, etc.		
Switching capacity	10 or 25 Amps	Contactor rating.
Input main supply	220V - 15%, 50 Hz	415V - 15%, 50 Hz
Weight	1.15 kgs.	1.15 kgs.
Size	170 x 165 x 85 mm mm mm	170 x 165 x 85 mm mm mm
Mounting & Connection details	Sensor E/H O/P N L	Sensor E/H N V L
	E/H: Earthing O/P: Out put phase N: Neutral L: In-put phase	E/H: Earthing N V No Volt coil L: Phase

INSTALLATION

The device can be fixed on a wooden mount with the help of screws. Suitable holes for fixing screws are provided. However the sensor should be installed at about 10 to 12 feet height, so, that it remains unaffected by the traffic light. It is IMPORTANT that the sensor should face north and in any case not the sun light directly

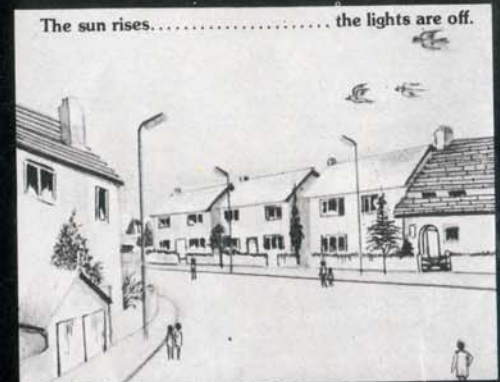
Due to our continuous R & D efforts, specifications are subject to change without Notice



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The magic



Automatically

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