

PTC-4BR-A

Your wish list...

Wish the SUN had a dim-bright, on-off switch.

✓ Wish the power bills could reduce significantly.

Wish the day night cycles could be controlled by the clap of hands.

✓ Wish the light sources could sense human occupancy/trespass... and switch on/off accordingly.

Wish the building watchman could remember all the tasks told to him.

✓ Wish water pumps, ACs, and system controls had a timed, programmed control.

ULTIMATE SOLUTION TO THE WISH LISTS OF
PROPERTY OWNERS
REAL ESTATE ADMINISTRATORS



Because Economy, Efficiency and Energy saving are your concerns



PTC-4BR-A

*Fulfilling the
wish-list...*

- The pioneering, unparalleled multitasking gadget.
- Programmable Timer Controller.
- Easy to operate.
- Saves energy, reduces costs.
- Improves efficiency.
- Prolongs life of systems and light sources.

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SOME FREQUENTLY ASKED QUESTIONS...

1 ✓

In day to day domestic use and working, how much energy do we use? That too for lighting?

In India 21 % of the total electricity produced is consumed by the domestic sector. Industry uses 38 % of the total production. 20 to 40 % is used for lighting.

2 ✓

Why is lighting and illumination so important in saving on power bills/electricity?

Out of the above figures, lighting and illumination accounts for 40 % of commercial, billed electricity usage. Artificial illumination is energy intensive and expensive. So a well planned use of commercial lighting and intelligently planned illumination obviously saves a lot of power.

3 ✓

Which practices of domestic and industrial /real estate sector are responsible for high expenditure on lighting and illumination?

Using excessive illumination, unattended overnight lighting, not using available daylight to its fullest capacity, not using discretionary light controls, and not providing occupancy based lighting are the prominent reasons for these high costs.

4 ✓

How can we correct the situation?

By using PTC-4BR-A.. A pioneering product in India. The user friendly, easy to use programmable timer controller, with occupancy sensors.

5 ✓

How does the cost of PTC-4BR-A justify?

When used in all the functional modes,PTC-4BR-A ensures that its benefits surpass the costs involved within a short span. Direct saving in bills and peace of mind also justify its cost. It makes your light sources last longer, eliminate tedious manual control of electrical systems, and smartly manage your real estate/property electricity administration/illumination.

6 ✓

How does it operate?

It lets you program, preset, or monitor the various crucial systems like lighting, water pumps, Air-Conditioning spread across a vast area. It saves time by eliminating the manual control and intervention in monitoring such systems.

PTC-4BR-A's sleek, easy to operate and user-friendly interface can program the gadget to operate according to your needs and requirements.

The PTC- 4BR-A functions in the following output modes:

ON / OFF control mode	Can be used to switch ON and switch OFF ANY electrical appliance/lights at a programmed time and day in a week. Equally useful for domestic and industrial/institutional applications.
Period control mode	Can be used to switch ON any electrical appliance/lights at a programmed day and time in the week, and switch OFF after the programmed period- maximum 24 hours.
Occupancy mode	Detects the movement, in the installed zone, with an installed occupancy sensor and controls the programmed output channel. Enabling this mode ensures switching ON the output channel for the programmed period, and then switching it OFF . To use this mode, occupancy sensors, interfaced with PTC-4BR-A must be fitted in the zone.
Extended Life mode	Using this mode alters the usage (more technically, the <i>load</i>) of light sources, every alternate day. This avoids the usage of such sources any time and every time to their maximum. This ensures a maximum working of the said source, yet extending its life because of programmed usage.
Intelligent night mode	This mode avoids a sudden 'switch on' of noisy systems such as a water pump during a programmed night time. It monitors the 'automatic water controller', by controlling its supply, and eliminates sleep disturbance of the users.
Daylight control mode	Basic function of this mode is to sense a sufficient daylight level. By sensing it, it helps the user to override the programmed time to switch the loads like lights, ON and OFF . If this mode is enabled the lights will be ON as the daylight falls below the trigger level, and is switched OFF as the daylight increases above the trigger level. It helps the user to avoid a repetitive programming of PTC-4BR-A, in maximum or minimum daylight conditions in summer/winter.

The PTC-4BR-A can successfully operate for the following areas:

ON / OFF control	<ul style="list-style-type: none"> ● Common light sources in a building-parking, terrace, garden, staircases, internal streets etc. ● Usable in- corporate office buildings administration, malls, theatres, small business houses, godowns. ● Machine control. ● Process control.
Periodic function mode	<ul style="list-style-type: none"> ● Industrial process control, sequential controls, heating/chilling chambers. ● Water heaters, geysers. ● Machine control.
Occupancy mode	<ul style="list-style-type: none"> ● Common Lighting in parking, staircase, library, laboratory, computer room, conference room. ● Lighting in hotel guest room, bathroom and toilet. ● Industry - Administration, Buildings, Conference rooms.
Extended Life mode	<ul style="list-style-type: none"> ● To share common lighting in parking, factory, or offices. ● Parking/floor wise light sources ● Redundant water pumps.
Intelligent night mode	<ul style="list-style-type: none"> ● Water pumps and similar noisy applications/appliances.
Daylight control mode	<ul style="list-style-type: none"> ● To control the level of artificial lighting as per the level of sufficient natural daylight in parking, factory, or offices.



Kindly contact our sales/dealer network to know the mode wise direct savings with PTC-4BR-A.

About eConzerv...The proud makers of PTC-4BR-A

eConzerv solutions Pvt.Ltd is an innovative company founded by qualified professionals with an experience exceeding 50 person years and strong technical skills. eConzerv design cell conceptualizes and develops pioneering products in the energy conservation domain. With its state-of-the-art inhouse R & D facility and production setup the ideas are materialised into an applied product/innovative technology. Our future interests include products based on intelligently planned illumination, occupancy based lighting, energy saving instruments and products for sustainable conservation of energy in various fields.

Some more eConzerv products in near future...

- Daylight intensity and occupancy based control
- Centralized light control system
- Low power, high efficiency lighting solutions
- Watt savers with intelligent correction on power usage
- Intelligent controller for power hungry industrial loads
- Solar based and wind energy based lighting solutions



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