

# Management of the lighting period and bells in a school

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ITA



## Customer case

The engineering departments want to optimize the operating costs of the local body's educational institutions by achieving savings on lighting, and also achieve automatic actuation of the school bells at the appropriate time.

Override control of the lighting may be performed for maintenance or servicing purposes.

## Our recommendation

The use of the ITA makes it possible to:

- limit the use of lighting by programming its operation at times during which the classrooms and common areas must be lit,
- program bell ringing times,
- have override control of the lighting by push button.

Duplication of the program in each educational institution is performed by using a programming kit and the duplicate is transferred by means of a memory key.

## Benefits

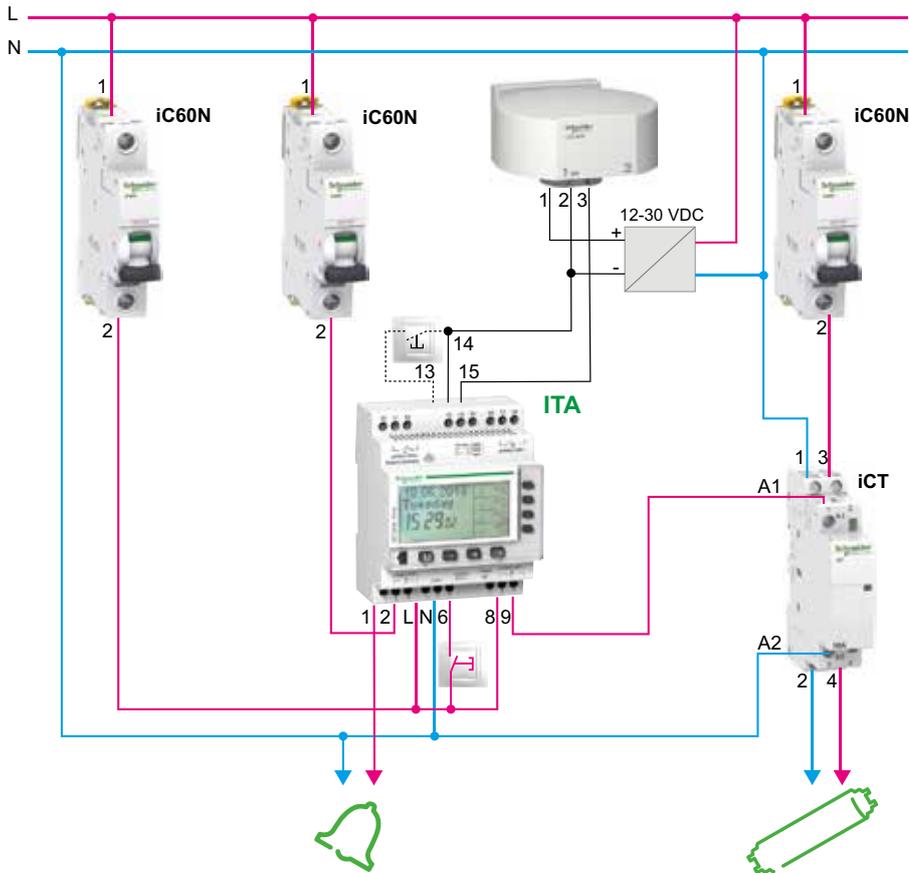
- **Ease of programming:** changes in time switch programming in case of special events or holiday periods can be made using the programming tool on a computer; a memory key allows the changes to be duplicated simply in each educational institution.
- **Reduced maintenance:** thanks to GPS time reception and automatic summer time/winter time changing.
- **Lighting override control:** a remote push button allows override control of the lighting for maintenance or servicing operations.

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# Solution Diagram



## Specifications

- The lighting and bell will be activated by a programmable time switch.
- A programming key and programming kit will be used to create and copy the program to another time switch, or save it.
- No deviation from timetable thanks to synchronization performed by GPS clock.
- Override control of the lighting will be performed via a switch or push button.

### Products used

Product	Function	Quantity	Reference
Acti9 ITA 4c	Yearly programmable time switch, 4 channels	1	CCT15940
GPS or DCF	GPS or DCF antenna (optional)	1	CCT15970 or CCT15960
Programming kit and key	Programming kit for PC and memory key (optional)	1 + 1	CCT15950 and CCT15955
Acti9 iC60N 1P	MCB	3	Depend on rating
Acti9 ICT 2P	Modular contactor	1	Depend on rating

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ITA 4c



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