

# Optimize the light level inside a greenhouse

“Windows and shutters control:  
IC100kp+ 2C - SMART twilight switch”



## Customer case

The farm owner wants to manage the greenhouse windows and shutters according to the level of daylight to protect sensitive plants from too much light and heat.

He wants to operate windows first, followed by shutters.

## Benefits

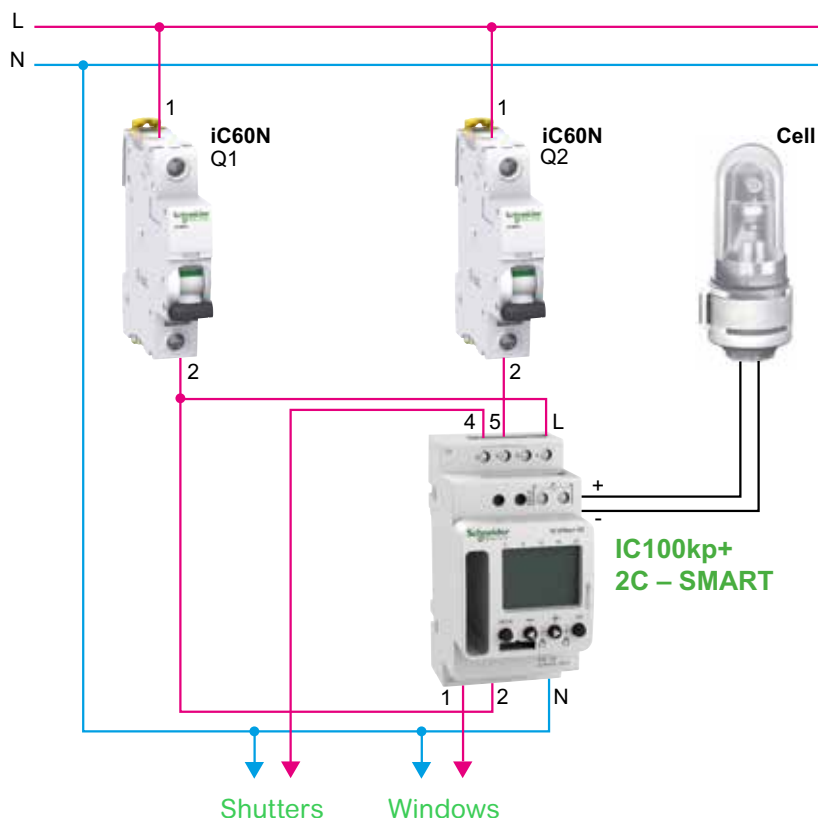
- With the high-interval adjustable brightness threshold, end-users can more closely define the lux levels of daylight.
- With the digital link, up to 4 cells can be connected from 4 different locations.
- Use the advantage of the built in time switch function to give additional Off or On periods to meet with special timings corresponding of different planting phases.

## Our recommendation

Use a two channel high sensitivity programmable twilight switch to automatically control window opening and then shutter operation according to brightness.

# Solution

## Diagram



## Specifications

- The programmable twilight switch is associated with a digital wall-mounted cell.
- The lighting operation threshold is set on the twilight switch according to the external brightness (example: 4000 lux).
- A contactor is needed if power consumption exceeds 2600 W.

Products used			
Product	Function	Quantity	Reference
Acti9 IC100kp+ 2C - SMART	Twilight switch, 2 channels (delivered with a digital wall-mounted cell)	1	CCT15495
Acti9 iC60N 1P	MCB Q1	1	Depend on rating
Acti9 iC60N 1P	MCB Q2	1	Depend on rating

More about  
IC100kp+2C - SMART



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