

# Photoperiodic system

Photoperiodic system is an additional option available for thermostatic cabinets (ST) and cooled incubators (IL).

Some applications require day and night simulation.

Photoperiodic system consists of lighting system placed in the door, in the side walls or in the ceiling of the unit (depending on model).

For each segment of temperature-time profile the user sets either light ON or OFF.

Standard light is daylight. Other colours on request.

## Application

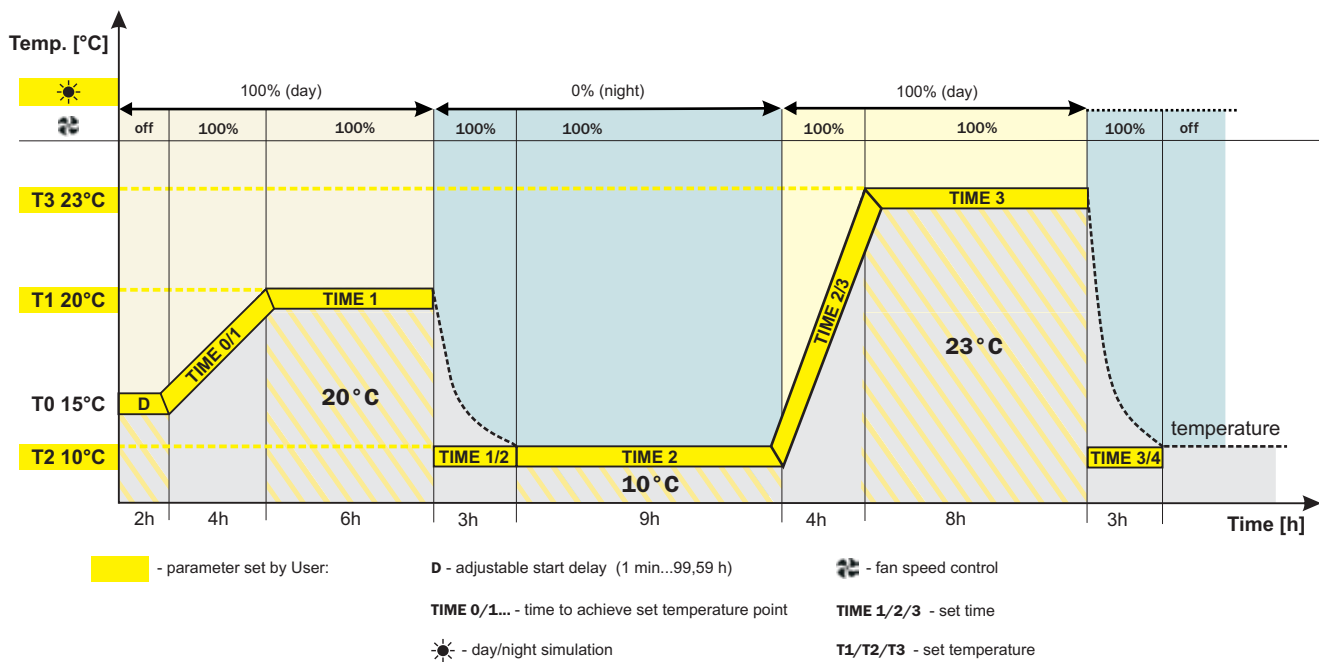
- plant and fungus growing
- microorganisms and insects breeding



## Advantages

- day and night simulation software able to control the lighting and temperature
- temperature range for "night" simulation: -10 ... +70 °C for IL range and +3 ... +60 °C for ST range
- temperature range for "day" simulation: +5 ... +50 °C for IL range and +10 ... +50 °C for ST range
- selection of light colour, intensity and place of installation of the lighting (door, wall or shelves) - depending on model
- aluminum or stainless steel interior (depending on model)

### Programming the ST/IL with photoperiodic system



All POL-EKO-APARATURA products can be provided with IQ, OQ, PQ qualifications



All POL-EKO-APARATURA products can be supplied with a calibration certificate issued by an accredited Measurement Laboratory. Further information is available on our website: [www.pol-eko.eu](http://www.pol-eko.eu)

# FOT Equipment with photoperiodic system

## Photoperiodic system

### Photoperiodic system (\* /FOT option) for single and double chamber thermostatic cabinets (ST)

Option	ST/FOT2	ST/FOT4	ST/FOT6	ST/FOT8	ST/FOT10	ST/FOT15
available for models	ST 1+ ST 1/1+	ST 2+ ST 2/2+ ST 350/350	ST 2+; ST 3+ ST 2/2+ ST 3/3+ ST 350/350	ST 5+	ST 500 ST 700	ST 1200
temperature range with photoperiod ON [°C]	+10 ... +50 °C					
numbers of lamps in the walls	2	4	6	8	10	15 (3 columns with 5 pieces)
adjustable illumination intensity	no	no	no	no	no	no

### Photoperiodic system (\* /FOT option) for cooled incubators (IL)

Option	IL/FOT2S	IL/FOT3S	IL/FOT5D	IL/FOT6D	ST/FOT8D	ST/FOT10D
available for models	ILW 53	ILW 115	ILW 53	ILW 115 ILW 240	ILW 240 ILW 400 ILW 750	ILW 750
temperature range with photoperiod ON [°C]	+5 ... +50 °C					
numbers of lamps in the door	-	-	5	6	8	10
numbers of lamps in the ceiling	2	3	-	-	-	-
adjustable illumination intensity	no	no	no	no	no	no



*Phytotron system (\* /FIT option) has been introduced as an additional option that allows you to control the light intensity in the day/night simulation system. Thermostatic cabinets with phytotron system are equipped with over-shelf lighting with illumination intensity control. Cooled incubators with phytotron system on request.*

### Phytotron system (\* /FIT option) for thermostatic cabinets (ST) and climatic chambers (KK)\*

Option	ST/KK 350/FIT	ST/KK 500/FIT	ST/KK 700/FIT	ST/KK 1200/FIT
temperature range with photoperiod ON [°C]	+10 ... +50 °C	+10 ... +50 °C	+10 ... +50 °C	+10 ... +50 °C
numbers of shelves with over-shelf lighting std/max	-	1/3	1/3	1/3
illumination in door and walls	yes	no	no	no
adjustable illumination intensity	yes	yes	yes	yes

### Phytotron system (\* /FIT option) for cooled incubators (IL) and climatic chambers (KK)\*

Option	IL/KK 115/FIT	IL/KK 240/FIT	IL/KK 400/FIT	IL/KK 750/FIT
temperature range with photoperiod ON [°C]	+10 ... +50 °C	+10 ... +50 °C	+10 ... +50 °C	+10 ... +50 °C
numbers of shelves with over-shelf lighting std/max	1/1	1/3	1/3	1/3
adjustable illumination intensity	yes	yes	yes	yes

\* "FOT" and "FIT" options are factory preinstalled. There is no possibility to order them separately.