

THE PHOTOPERIODIC (FOT) AND PHYTOTRON (FIT) SYSTEMS

The photoperiodic (FOT) and phytotron (FIT) systems allow day and night simulation. While the FOT option enables to turn the light on and off in a program, the FIT option can additionally control the light intensity. The photoperiodic system is designed for cooled incubators in the Smart version and the phytotron system for the Smart PRO version.

SMART - FOT

Program possibilities with FOT option:

- Program possibilities with FOT option day and night simulation software to control light (on/off), time and temperature separately for each segment
- Temperature range for "night": -10°C up to +60°C (with IL/T option)
- Temperature range for "day": +10°C up to + 50°C
- Lamps installed in the door or ceiling
- Fluorescent lamp 840 type (daylight) used as standard
- Operating with time priority

SMART PRO - FIT

Program possibilities with FIT option:

- Day and night simulation software to control light intensity [%], time, temperature and fan speed separately for each segment
- Temperature range for "night": -10°C up to +60°C (with IL/T option)
- Temperature range for "day": +10°C up to + 50°C
- Lamps installed in over-shelf panels
- Fluorescent lamp 840 type (daylight) used as standard
- Operating with temperature or time priority

Photoperiodic system (*FOT option) for cooled incubators (IL)**

	ST FOT2	ST FOT4	ST FOT6	ST FOT8	ST FOT10	ST FOT15	IL FOT2S	IL FOT3S	IL FOT5D	IL FOT6D	IL FOT8D	IL FOT10D
available for models	ST 1 ST 1/1 ST 1/1/1	ST 2 ST 2/2	ST 2 ST 3 ST 2/2	ST 4 ST 5	ST 500 ST 700	ST 1200 ST 1450	ILW 53	ILW 115	ILW 53	ILW 115 ILW 240	ILW 240 ILW 400 ILW 750	ILW 750
temperature range with photoperiod [°C]	+10 ... +50											
number of lamps in door	-	-	-	-	-	-	-	-	5	6	8	10
number of lamps in ceiling	2	-	-	-	-	-	2	3	-	-	-	-
number of lamps in side walls	-	4	6	8	10	15	-	-	-	-	-	-
adjustable illumination intensity	no											

*for the ST series with the FOT option, the internal dimensions of the chamber are reduced by 4 cm on each side, the FOT option must be ordered together with the equipment! It is not possible to purchase this option later.

Phytotron system (*FIT option) for cooled incubators in Smart PRO version.

Option*	ST 500/700 FIT DS	ST 500/700 FIT S	ST 500/700 FIT P	ST 1200 FIT P	ST 1450 FIT P	IL 115 FIT P	IL 240 FIT P	IL 400 FIT P	IL 750 FIT P	IL 115 FIT D	IL 240 FIT D	IL 750 FIT D
temperature range with phytotron ON [°C]	+10 ... +50											
number of over-shelf panels with illumination (std/max)	-	-	1/3	1/3	1/3	1/1	1/2	1/2	1/3	-	-	-
lamps in door	yes	-	-	-	-	-	-	-	-	yes	yes	yes
lamps in side walls	yes	yes	-	-	-	-	-	-	-	-	-	-
adjustable illumination intensity	yes											

* **FIT DS** – illumination in door and side walls; **FIT D** - illumination in door; **FIT S** – illumination in side walls; **FIT P** – illumination in over-shelf panels