

CLK-20

Easy to operate
timer control

- Extensive light control
- Accurate day and night control
- Easy operation
- Secure communication with FarmConnect and **FarmRemote**



CLK-20 timer control

with light and timer controls

This timer control enables the light to be controlled very extensively in order to accurately simulate a natural day and night rhythm. The straightforward operation makes it very easy for users to program a light control schedule using different start/stop times and dim cycles. To achieve optimum transparency and ease of operation, the 21 freely programmable timer functions are coupled to the master clock. This minimises the risk of any incorrect settings. Combining the CLK-20 with an electronic light sensor enables considerable energy savings by lowering the lighting intensity as daylight enters.

LS-01 light sensor

for daylight measurement

The CLK-20 timer control can be combined with the LS-01 electronic light sensor. This light sensor is perfectly suited for poultry houses.

This sensor enables the light intensity to be reduced as daylight enters. This can help achieve considerable energy savings.



Technical specifications

21 programmable timer functions

Master timer to couple timer functions	1
Light timers, on/off or controllable	8
Timers, on/off	8
Sequential timers e.g. for rinsing water lines	2
Nest timer to open laying nests by pulsed control	1
Daylight control with light sensor	1
- max. 8 motors for skylight control	
- 0-10V control for additional led light control	

Inputs and outputs

Digital inputs	3
Analog 0-10V input	1
0-10V outputs for light control	5
Relay outputs 230Vac 2A	9
Error relay 24Vac 2A	1
Power supply: 24Vdc/160mA (160mA is total value)	3
Power supply: 12Vdc/25mA	1

General

Power supply: 230Vac 50/60Hz

Connection load: 30VA

Dimensions: 300x220x120

Protection class: IP 54

Housing material: ABS

Extension options

Communication via RS-485 PCB

Module bus connection for external modules

CLK-20 lighting schedule

The CLK-20 enables an ideal day and night rhythm to be created. A light control is used to gradually switch the lights on and off.

- 05:00 a.m. The lights switch on, their intensity is increased to 20% over a time span of 4 minutes.
- 05:20 a.m. The lighting intensity is increased to 80% over a time span of 20 minutes.
- 07:50 p.m. The lighting intensity is lowered to 10% over a time span of 30 minutes; the lag time starts.
- 08:30 p.m. The lights switch off.

1121 Light timer 1

Light timer 1	on	
Current status	on	80%
Light schedule	no	no
Number of points	04	
Point	Begin	End
1	05:00	05:04
2	05:20	05:40
3	19:50	20:30
4	20:30	20:00

FarmConnect (optional)

The FarmConnect farm software collects all current and historical data of all control computers on your farm, combines this data, and then presents it in clear overviews, graphs and tables. FarmConnect gives you access to your farm data. Wherever you are, you are always connected to your company so that you can intervene immediately if necessary.

EasyRemote (optional)

The CLK-20 remote control feature enables you to read the current data of your poultry house remotely using your smartphone, PC or tablet. You can even operate the CLK-20 from the comfort of your armchair. The WEB-SEC guarantees a secure connection.



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Stienen BE is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.

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