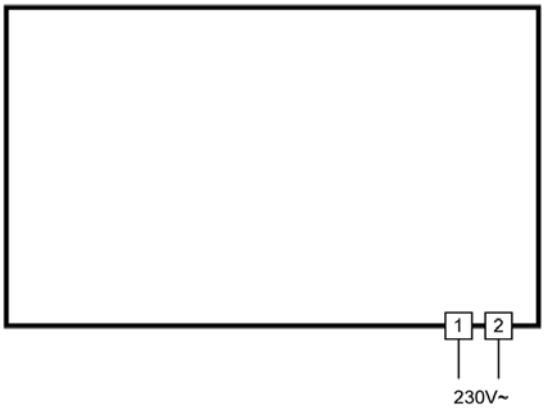
ST122-CX1XA.07

Timer

Order number 900320.084

Wiring diagram

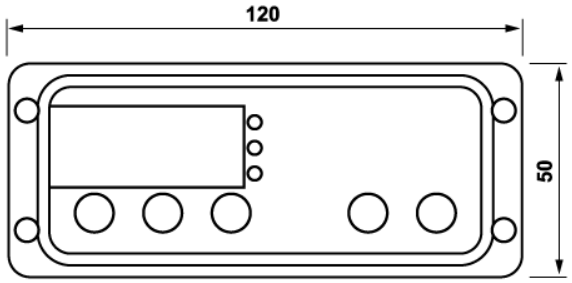


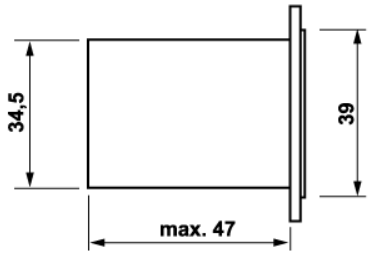
Product description

The timer is designed as a compact module unit. All control buttons are provided at the front, the mains connection on the back. After the expiry of the operating time the buzzer will sound for a specified time. It can be programmed with seven different operating times.

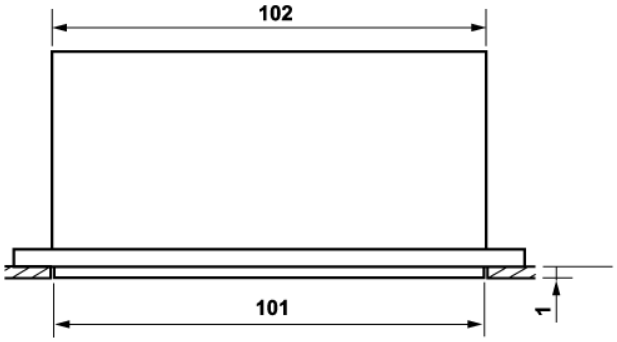
Front size:	101mm x 39mm
Installation size:	120mm x 50mm
Tightness:	front IP65
Connection:	screw terminal

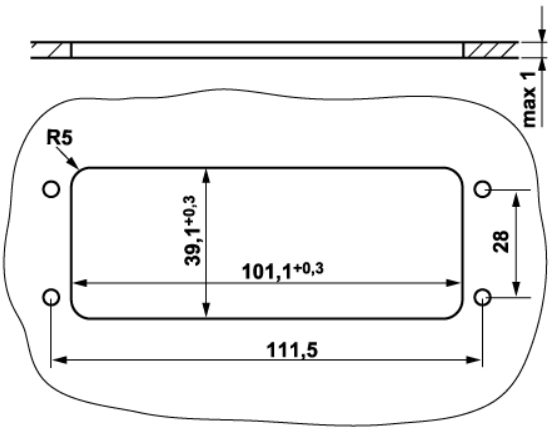
ST 122...





Achtung: Bei Verwendung einer Abdeckhaube Bolzenlänge max. 10mm





SOFTWARE .07

Operation

Start timer
By briefly pressing the **Start/Stop** button, the timer starts. The remaining time is counted down in seconds and the colon flashes in the display.

Pause timer
If the **Start/Stop** button is pressed again during the timer cycle, the sequence is interrupted and the display flashes. To continue the timer cycle press the **Start/Stop** button again briefly.

Cancel timer
If the **Start/Stop** button is pressed for 3 seconds after start or pause, the timer cycle is cancelled and the display changes to "00:00 ". After releasing the **Start/Stop** button, the initial operation time is shown.

Timer stop
After completion of the timer cycle the buzzer sounds for 5 seconds and the display flashes "00:00". The buzzer can be acknowledged with the **Down** button. Note that the acknowledgment is required before a restart or before time settings. The duration of the buzzer sound can be adjusted. As well the buzzer can be deactivated completely.

Timer selection
The seven adjustable operating times can be selected with the respective button. Each press will switch to the following operating time and the selection is indicated by the corresponding LED 1...7.
Upon change, the new operating time is ready for launch. The timer selection is saved after power off.

Temporary setting
After selecting one of the provided operating times it can be adjusted using the up or down button on the momentary needs, without saving the new value. The timer LED goes off to indicate the temporary operating time. This time is valid until a new operating time 1...7 is selected (or at mains off). The new operating time can be started as often as required.
Note that adjustment during the current timer cycle is indeed possible, but the new setting is not yet effective for the current timer.

How to adjust operating times
If you press the **Up** or **Down** button to adjust an operating time there is a short delay after which the setting is unlocked. This “adjusting mode” is indicated by the flashing colon in the display. The value can now be set by tapping or permanently pressing the button. If no button is pressed for more than 3 seconds, the controller returns to the initial state and the colon in the display stops flashing.

Programming operating times
To permanently set the operating times, press the **Prog** button for 1 second. The LED of the current selection flashes and indicates that the programming mode is accessed. The selection and adjustment is now in the same manner as above, however, the values now are stored in the permanent memory when returning to initial state.
Return to initial state takes place by pressing the **Prog** button, or automatically after 5 seconds.

Operating times 1-7

As described above the operating times can be reached by directly pressing the specific button. If operating times are to be stored permanently, the programming mod has to be accessed with the **Prog** button.

Para--meter	**Function**	**Operating range**	**Standard value**	**Customer value**
Group "Operating times"				
S1	Operating time 1	00:00...99:59 min.	00:30 min.	
S2	Operating time 2	00:00...99:59 min.	00:45 min.	
S3	Operating time 3	00:00...99:59 min.	01:00 min.	
S4	Operating time 4	00:00...99:59 min.	01:30 min.	
S5	Operating time 5	00:00...99:59 min.	02:00 min.	
S6	Operating time 6	00:00...99:59 min.	02:30 min.	
S7	Operating time 7	00:00...99:59 min.	04:30 min.	

Parameter level P and A

These parameters are accessible by pressing the **Up** and the **Down** button for 3 seconds at the same time. This will give the first parameter of the P-level “P1”. The delay is to prevent unauthorized access. The selection of other P-parameters is now only by pressing the **Up** or **Down** button.

The value of the selected parameter appears after pressing the **Prog** button. His adjustment is done by pressing the up or down button in addition to the **Prog** key.

Pressing only the **Up** button for 6 seconds after reaching the last P-parameter, an intermediate level "PA" is accessed. Now, press the **Up** and **Down** button simultaneously for 3 seconds again. This will give the first parameter of the A-level “A1”. The adjustment corresponds to the P-level.

Note: Due to the “one-finger-setup” of operating times, it is possible that the apparently simultaneous press of the **Up** and **Down** button falls accidentally into the operating times setting before reaching the P level. The keys must then be re-released shortly.

Para--meter	**Function**	**Operating range**	**Standard value**	**Customer value**
Parameter group P				
P1	Buzzer duration	0...60 sec. (0 = inactive)	5 sec.	
P2	no function			
P3	no function			
P4	no function			
P19	Operating times locking	0: not locked 1: operating times locked	0	
Intermediate level „PA“				
Parameter group A				
A1	no function			
A2	no function			
A3	no function			
A4	no function			
A19	Settings lock	0: not locked 1: P parameter locked 2: A parameter locked	0	
Pro	Program version	-----		

Technical data of ST122-CX1XA.07

Display
4-digit LED display, height 13mm, colour red, temperature display

Power supply
230V~, power consumption max. 5 W

Buzzer
Pre-installed buzzer, ca. 85 dB

Connection
2-pole plug and socket

Ambient conditions
Storage temperature: -20...+70 °C
Operating temperature: 0...+55 °C
Relative Humidity: max. 75% without dew

Weight
ca. 250 g

Protection
Front IP65, IP00 from back

Installation data
Front size: 101 x 39 mm
Installation size: 120 x 50 mm
Installation depth: max. 50mm