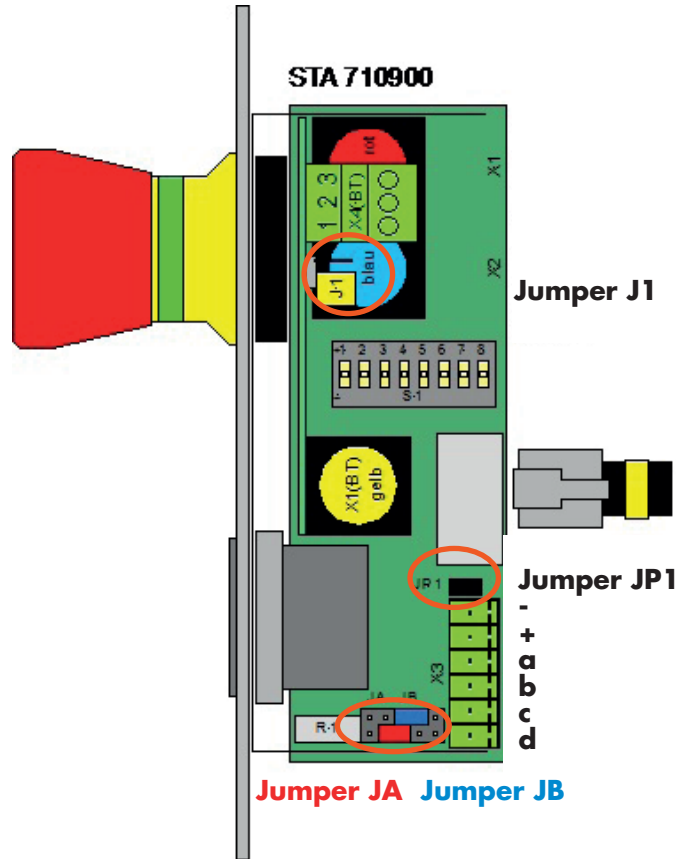


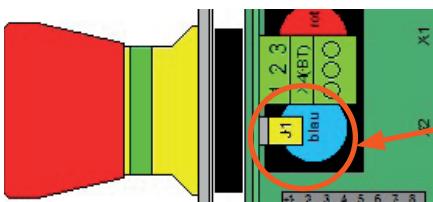
Positioning of the Jumpers - Control Terminal Version Plus

Jumpers of the Plus Control Terminal

Please use a precision
mechanic flat nose plier to
remove or reposition the
jumpers.



Functions of the Jumpers



Jumper J1

By default the jumper J1 is always positioned on 1 pin only and has to remain in this position.

EXCEPTION: The jumper has to be placed on both pins if the control terminal is used as a **stand-alone terminal**, i.e. there is no operating terminal connected.

Jumper JP1

By default the jumper JP1 is always plugged in and has to remain this way.

EXCEPTION: There is realized a global emergency-open (when pressing the emergency-open on one door, all doors of the interlock system are released). Then the jumper JP1 has to be removed from all control terminals of the interlock system (see function global emergency-open on page GNA01). In this case there has to be used the 6 core power cable.

Jumper JA und JB

The jumpers JA and JB allow to adjust certain functions for the signal outputs "c" and "d" (see following pages). By default these jumpers are placed as shown in the above figure.

IMPORTANT: When the signal outputs "c" and "d" are used, there always has to be used the 6 core power cable.

The signal outputs "c"
and/or "d" are polled **in
the distribution box**
at the terminals
"c" and/or "d" in each
case together with "+".

Positioning of the Jumpers - Control Terminal Version Plus - cont.

Jumpers JA and JB - Possible Positions and the Functions You Can Realise Thereby

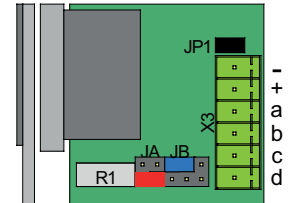
Message: Door open Position 2 (JA) - 1 (JB)

Signal output c:

Door open (active*: 24 V applied)

Signal output d:

Active when pressing the piezo-type key
(active*: 24 V applied for a short time)
*Allows to lock other doors before this
one is released.*



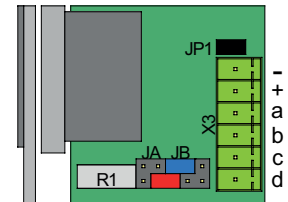
Message: Door released Position 1 (JA) - 1 (JB)

Signal output c:

Door released (active*: 24 V falling off)
*This door is released and the release
time has not yet expired.*

Signal output d:

active when key operated
(active*: 24 V applied for a short time)
*Allows to lock other doors before this
one is released.*



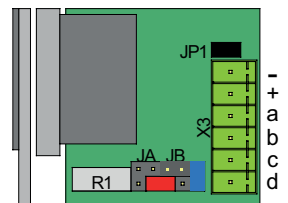
Message: Door locked Position 1 (JA) - 3 (JB)

Signal output c:

Door released
(active*: 24 V falling off)

Signal output d:

Door locked
(active*: 24 V applied)
*A door of the interlock system is open
which is depending on this door.
The jumper from signal output d to
terminal strip X5 must be removed.*



**active* = switches to
minus (max. 250 mA)**

Connect load between +24 V
and signal output, no voltage
output!

Positioning of the Jumpers - Control Terminal Version Plus - cont.

Jumpers JA and JB - Possible Positions and the Functions You Can Realise Thereby - cont.

**active* = switches to
minus (max. 250 mA)**

Connect load between +24 V
and signal output, no voltage
output!

Temporary locking of other doors of the interlock system - 15 different times adjustable by different jumper positions

Signal output c:

Door open (active*: 24 V applied)

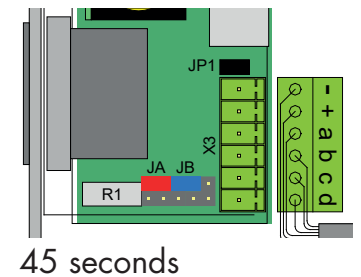
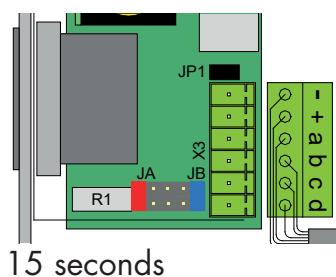
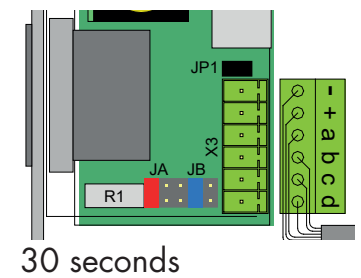
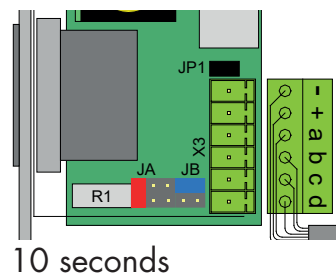
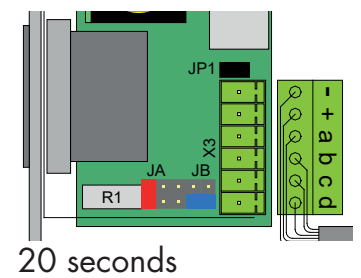
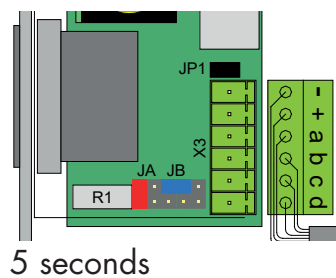
Signal output d:

Active for differing periods

(active*: 24 V applied for the respective period)

This jumper configuration of the Plus control terminal allows to lock doors for a certain period, similar to the time control unit. The different combinations of the positions of the jumpers JA and JB determine the duration.

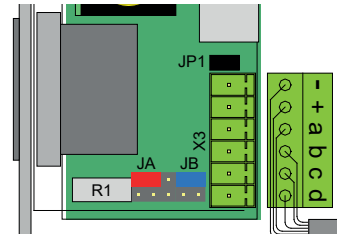
Further information can be found on page Plus05.



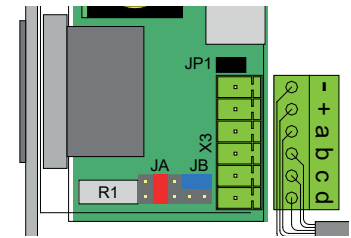
**Positioning of the Jumpers -
Control Terminal Version Plus - cont.**

**Jumpers JA and JB -
Possible Positions and
the Functions You Can
Realise Thereby - cont.**

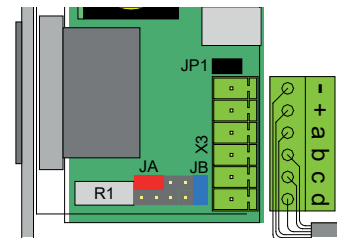
Temporay locking of other doors - cont.



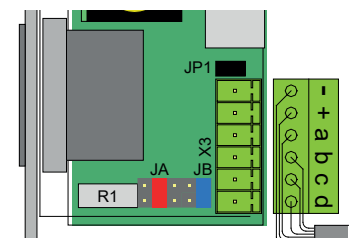
60 seconds



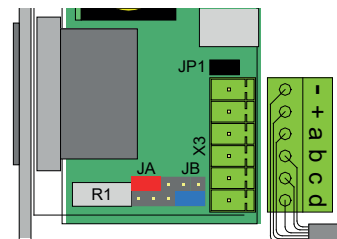
360 seconds



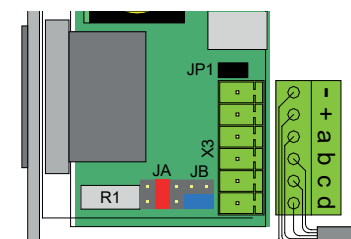
120 seconds



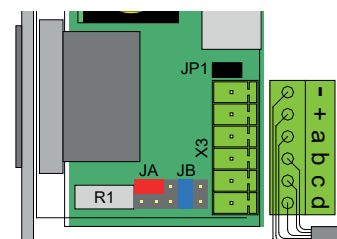
420 seconds



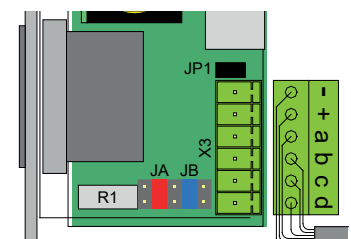
180 seconds



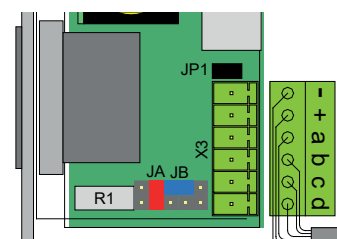
540 seconds



240 seconds



660 seconds



300 seconds

Temporary Locking by the Control Terminal Plus

Functioning

The temporary locking is activated when the door is opened, in the control terminal of which it has been adjusted by the jumpers (see preceding pages). The adjusted time starts to run the moment the door is closed. During this time the contact switch d is activated.

IMPORTANT: Locking doors temporarily by a control terminal Plus also locks the door during the adjusted time, in the control terminal Plus of which the locking has been adjusted by the jumpers. **This way it is also possible, by means of a control terminal Plus, to lock a single door for a certain time.**

Connection in the Distribution Box

In the distribution box the connection of the signal output "d" of that door, in the control terminal Plus of which the temporary locking has been adjusted, has to be continued from the terminal strip (X6, X7, X8, X9 or X10) on which the connector of the power cable is plugged, to the corresponding terminal of the terminal strip X5. To this terminal then you have to bridge the terminals of the other doors that have to be locked.

The red light on the terminal signals the temporary locking.

Note: If only the door shall be locked temporarily, in the control terminal Plus of which the locking has been adjusted, the connection to the terminal strip X5 is not obligatory for the functioning. In this case, however, the temporary locking will not be signalled by the red light.

Example

Example 1: In the control terminal Plus of door 1 a temporary locking of 60 seconds has been adjusted by the jumpers JA/JB.

Door 2 shall be locked temporarily, too, when door 1 is opened.

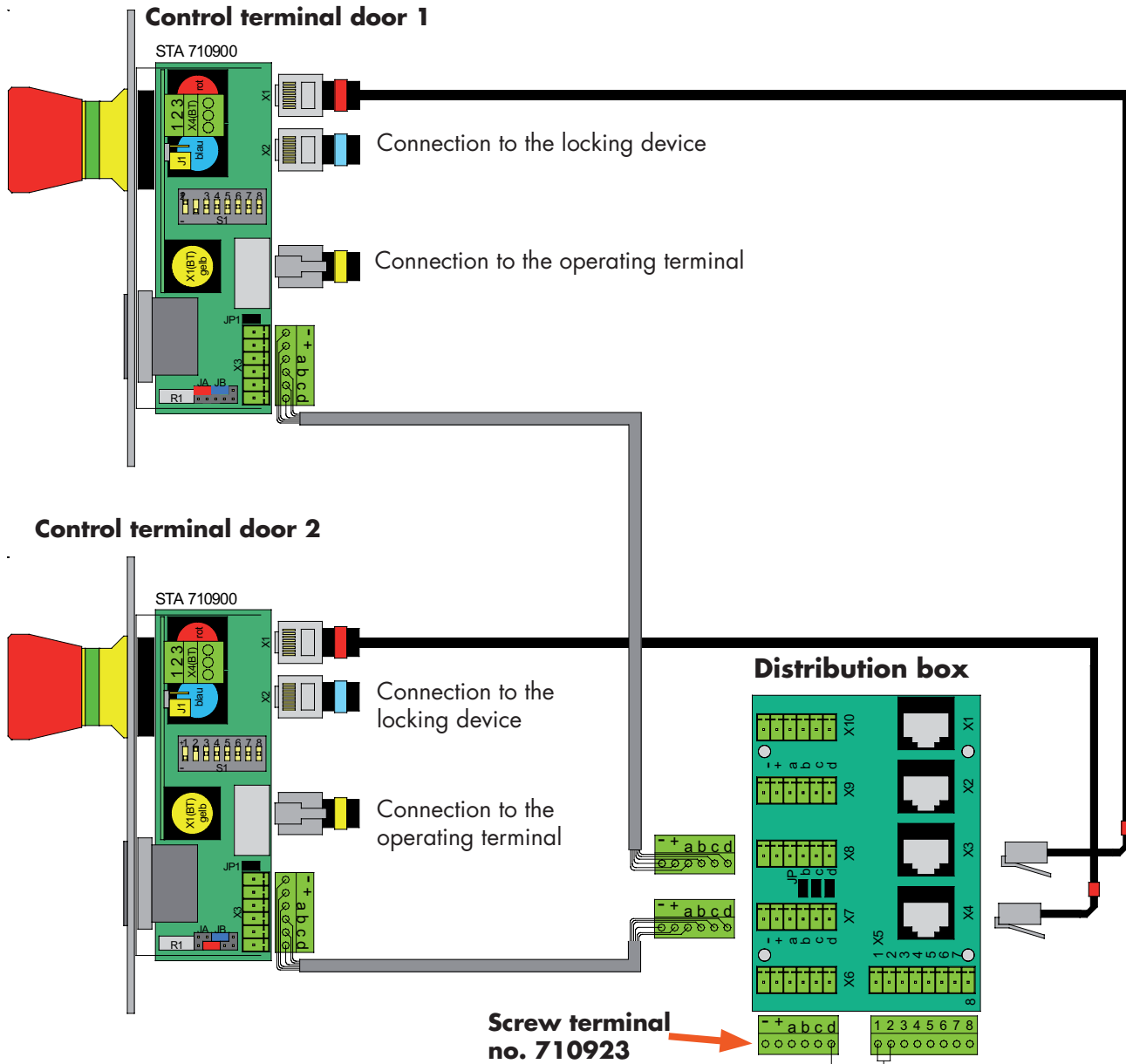
Connection in the distribution box: the contact switch "d" of terminal strip X8 (here the power cable is plugged in the connection example on the next page) is connected on terminal strip X5 with the terminal 1 and then terminal 1 and terminal 2 (for door 2) are bridged (see connection diagram on the next page).

Example 2: If several doors should be locked temporarily when door 1 is opened, all corresponding terminals of the terminal strip X5 have to be bridged.

Example: When door 1 is opened, doors 2, 5 and 7 of the interlock control system shall be locked temporarily. In the terminal strip X5 the terminals 1, 2, 5 and 7 have to be bridged.

Temporary Locking by the Control Terminal Plus - cont.

**Connection Diagram for
2 Doors**



Note: To simplify the connection we recommend to order the screw terminal kit (4 pieces of pluggable 6 core screw terminals, part no. 710923). Just plug one of these 6 core terminals on the terminal strip X6. Then you can connect this terminal to terminal strip X5, which is due to the proximity much easier. So you don't have to connect from terminal strip X8 (connection diagram example) to terminal strip X5.

**Bridge between
terminals 1 and 2**