

GIGAcontrol A automatic controller

Every door has its own individual characteristics. One door is large, another is small; some doors like it slow while others, of course, are very fast. And because every door is different, we have designed one controller that can be used for any door.

5-line LCD plain-text display

with dynamic menu guidance



Event memory by time and date:

Settings, changes and status messages of the controller and the safety devices are saved by time and date.



The GIGAcontrol A automatically detects the **frequency converter** and the module for the **two-way traffic control**. The menu only opens in the controller if the products are connected. This ensures that the customer does not see superfluous menus and can easily set the required function.

Partial opening:

The partial opening function of the GIGAcontrol A is designed for easy operation with the cover buttons. It is not necessary to switch over or change the controller programming. When partial opening is set and the button is pressed, the door moves to the position set by the customer; when the button is pressed again, it opens fully. The OPEN button must be pressed twice in order to open the door fully. Because it is often necessary to have the door fully open when using forklifts, it opens fully when the handheld transmitter (channel 1) is pressed, while the partial opening function is on channel 2.

Second shut-off path in accordance with EN 60335-1:

As standard, the controller is equipped with a second shut-off path which guarantees safe shut-off of the operator at any time.



The factory has **10 different profiles** in the control for presetting of the **operating parameters** and for a **frequency converter**. This allows the customer to preset various functions along with the operating mode, behaviour of the safety devices etc. Then, at installation, it is only necessary to set the end positions and select the profile. A company name with telephone number can also be saved to show the customer's contact person on the display when the next service is due.



2 connections each for **OSE, 8.2 kΩ** or **air wave switch**. All connections are evaluated separately. The evaluation can be freely allocated to the direction of travel. The "partial-full reversion" and "stop" when the safety device is triggered can be selected as desired.

Direct programming of the controller

via controls on the control unit housing. With the GIGAcontrol A, all settings and changes can be made with the triplex sensing device without having to open the housing.

A second password can be entered to allow quicker commissioning via a **shortened menu**: the menu items not relevant for initial operation are hidden.

Detection of motor direction and adjustment.

The direction of rotation of the motor can easily be adjusted in the menu on installation. Changes in the direction of rotation of the motor, e.g. by subsequent hard wiring, can easily be adjusted with the GIGAcontrol A via the controls.

If the door run-on time changes, e.g. as a result of temperature fluctuations, changes in the spring tension of sectional doors, binding as a result of mechanical damage, the **automatic end position correction function** adjusts the stopping distance to stop the door at the set end position.

- simplified initial commissioning
- automatic end position correction
- real-time clock
- 5-line LCD plain-text display
- detection of motor direction and adjustment
- automatic detection and assignment of the safety components
- display when thermal switch is triggered
- 2 connections each for OSE, 8.2 kΩ or air wave switch
- direct programming via triplex sensing device
- programmable partial opening
- recognition of pluggable modules



The "Type-tested" certification represents a voluntary commitment to added security above and beyond the CE conformity test, which is carried out by TÜV NORD CERT's neutral experts with a recognized examination in accordance with the Machinery Directive.



GIGAcontrol A controller selection

The GIGAcontrol A with 3 relays (up to 1.5 kW) or with reversing contactor (up to 2.2 kW) and safety relay can be used for all door types and applications: sectional door operators, roller door operators, high-speed door operators, with or without SOMMER frequency converters.

This means that customers only require one controller, which means savings in replacement, repair and maintenance and cuts storage costs.

GIGAcontrol A can be used for the standard SOMMER electronic limit switches, for any standard mechanical limit switch and also for electronic limit switches from other manufacturers.

The GIGAcontrol A controller has been accepted by TÜV and conforms to current safety requirements. For example, a second shut-off path is always integrated.

You can find an overview of the currently certified industrial door operators classified by the weight of the door and the corresponding safety edges in accordance with EN 12445 and EN 12453 here: <http://www.sommer.eu/de/ITA-Zertifizierung.html>



Accessories and components



Two-way traffic control module

791V000

See page 90



Induction loop module

792V000

See page 93



Terminal blocks

S10048-00001

See page 80



SOMUp4 radio receiver module

S11442-00001

See page 78



EMERGENCY STOP button IP67

10382V000

See page 93



Main switch

S11247-00001

See page 93

GIGAcontrol A	R1	R1	R3	R3	R3	C3	C3
item number	781V020	781V650	783V020	783V120	783V650	786V000	786V650
For 400 V/230 V frequency converter operators			•	•	•	•	•
Only for operators with frequency converter (230 V)	•	•					
Preset for frequency converter	•	•		•			
Relay version up to 1.5 kW	•	•	•	•	•		
Contactors version up to 2.2 kW						•	•
IP54 version	•		•	•		•	
IP65 version		•			•		•
With second shut-off path	•	•	•	•	•	•	•
Operating voltage	AC 230 V		1/3~AC 230 V; 3~ AC 400 V			1/3~AC 230 V; 3~ AC 400 V	
Dimensions (H x W x D)	350 x 200 x 135 mm						
Mains feed fuse	10 A slow-blow						
Control voltage fuse	0.125 A-T						
Temperature range	-25 °C to +65 °C						
Connection cross-section	1.5 mm ²						