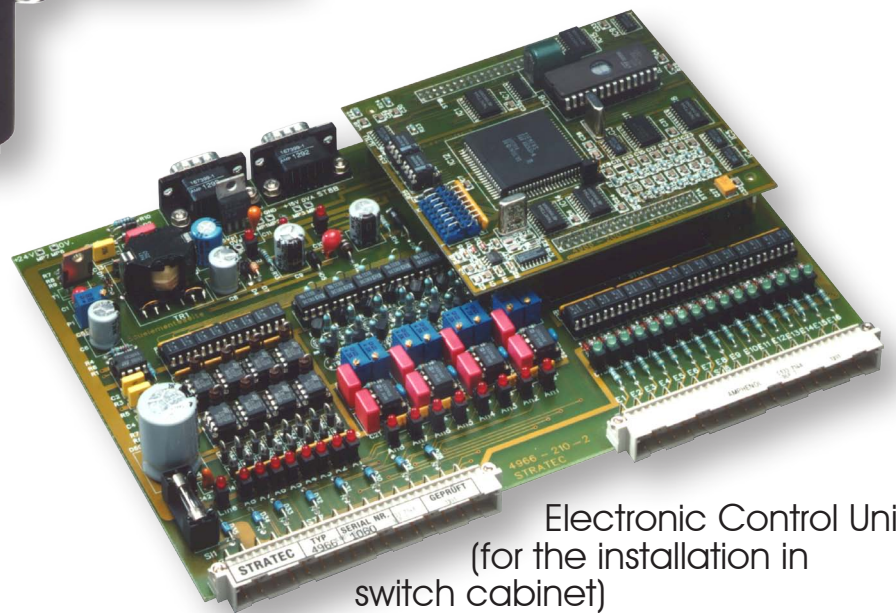




Operator  
Control Panel  
(for installation  
at the conveyor)



Electronic Control Unit  
(for the installation in  
switch cabinet)

# BBULL GL

## Electronic Speed Control for Conveyors

# PRODUCT SPECIFICATION



## General

The correct tuning of the conveyor speed, particularly between the various production machines is an important factor in achieving a trouble free operation along the whole bottling line.

The particularly critical points are the bottle buffers, where the transport of the bottles switches from multi-lane in a single-lane transport, or when synchronization between two machines (Bloc-connection) is necessary.

For an harmonious transport without pressure, with low noise and without gaps, we recommend the BBULL- electronic speed control system BBULL GL.

## Application

Speed control for conveyors within the bottling line to achieve:

Gliding transport from multi-lane to single-lane

Bloc connection between two production machines in order to avoid pressure, noise and gaps.

## Operation Control Pane

- simple operation by means of 4 push buttons
- adjustment of the parameters optionally with a laptop computer
- indication of the input / output via LEDs
- menu driven operation
- indication of the transport speed in bottles/hour
- malfunction indication in plain text
- big LCD- display (16 lines, each 20 alphanumeric characters)
- text display, changeable by switch to five languages (D, GB, E, I, F)

## Mode of Operation

The systems consists of an electronic control unit which is installed in the switch cabinet near by the frequency converters and an operator control panel, installed at the conveyor. (Operator control panel used for adjustment only).

Optionally the adjustment of the parameters can be done: with a laptop computer (menu driven) with a very simple operation panel directly in the switch cabinet at the control card.

During normal operation the bottle stream as well as the conveyor speed are continuously monitored by sensors. Thus the control unit analyses permanently if the bottles are sliding (jamming) or if there are gaps.

The speed of the motors, which drive the various conveyors are regulated accordingly.

The system is able to control up to 8 analog outlets simultaneously.

## Technical Data

Voltage supply:	24 V DC (+/- 20%)
Enclosure control unit:	open
Enclosure operating panel:	IP 55
Operating temperature:	00 - 500 C
Dimensions of control unit:	230 x 160 x 35 mm (Installed in switch cabinet)
Dimension of control panel:	160 x 260 x 180 mm (Installed at the conveyor)
Weight of control unit:	500 g
Weight of control panel:	4 kg
Input / output signals:	16 digital input signals 8 digital output signals 8 analog output signals

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