

# CB-19 Control Board

## Automatic Dual Gate Control System

The CB-19 Control Board, for dual automatic gate systems, uses proven technologies to provide greatly enhanced capabilities over CB-9 based setups.

### Integrated Receiver with 511 Transmitter Capacity

The CB-19 features an integrated SecuraCode® receiver with a standard capacity of 30 x 4-button transmitters. This can be expanded to 511 transmitters via the PG-3 Programmer.

### LCD Display and Keypad Operation

The password-protectable menu system, sourced from the ESV-24 EasySlider®, provides easy visually-cued access to a variety of operating functions and settings. (See overleaf for full menu options.)

### Ease of Installation

During installation the CB-19 automatically detects the wiring type and the number of motors connected. The CB-19 then guides the installer through the installation steps using the LCD display screen.

Additionally, the CB-19 permits limit setting via a transmitter, allowing closer observation of the gate's movement from any position. Once limits are set, the CB-19 automatically calculates the gate's travel profile.

### Extensive Operating Modes

The CB-19 can be configured to operate in many different ways via its eight (8) control and safety inputs. (See overleaf for board and input layout).

This functionality is enhanced by four (4) auto-close modes, four (4) P.E. response modes and two (2) pedestrian response modes. Additionally, transmitters can be programmed to activate functions such as Vacation or Pedestrian modes.

### Transmitter Management

The LCD display and operator console simplify management of large numbers of transmitters. Transmitters can be reviewed by stored location, group number, serial number or programmable alpha-numeric ID label (e.g. "A G Smith").

Onboard tools allow transmitters to be replaced, deleted and edited, as well as copying functions from one transmitter to another for rapid multi-user setup.

This is complemented by, and expanded upon, by the capabilities of the PG-3 Programmer (Order Code #02006).



Points of Difference	CB-9	CB-19
LCD Display with Keypad	No	Yes
Menu Driven Control System	No	Yes
Electronic Force Margin Control	No	Yes
2, 3 & 5 Wire Compatibility	No (3 & 5 only)	Yes
Built-In Receiver	No	Yes

Ordering Options	Order Code
CB-19 v1.04 Control Board	00810
CB-19 Gate Control System - includes: 1 x CB-19 v1.04 Control Board 2 x PTX-4 Transmitters 1 x IP56 Weather Resistant Box 1 x Coax Cable 1 x Antenna 1 x External Mounting Bracket Pack 1 x Accessories Pack	00604

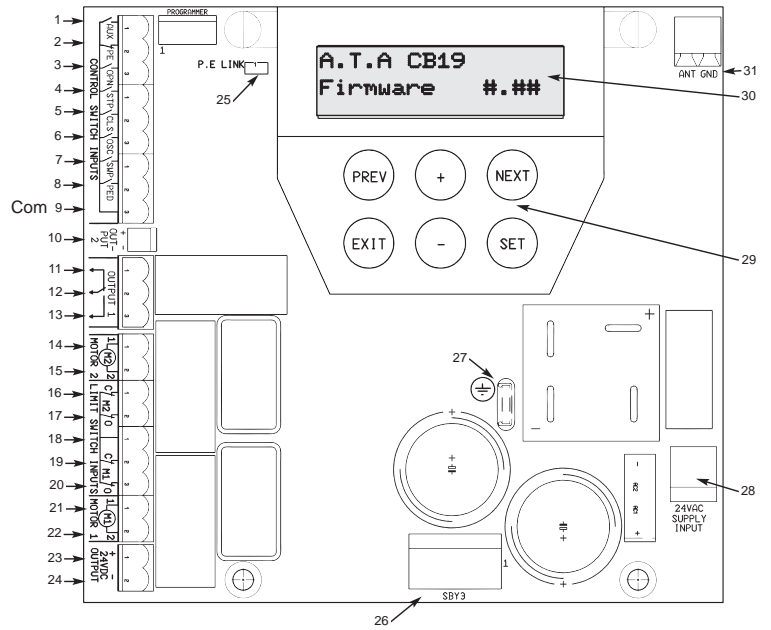
Specifications - CB-19 Gate Control System (Order Code #00604)	
<b>Controller Supply Voltage</b>	24V.a.c. / 50Hz / 10A (max)
<b>Accessory Output</b>	24Vd.c. (unfiltered) @ 3A (max)
<b>Motor Voltage</b>	12-24Vd.c @ 10A (max) combined
<b>Output 1 (no/nc) Contact Rating</b>	240V.a.c. / 30Vd.c. @ 5A
<b>Receiver Capacity</b>	30 x 4-button transmitters with names (Expandable to 511 transmitters via PG-3 Programmer functions)
<b>Receiver Type &amp; Frequency</b>	UHF 433.92 MHz AM
<b>Transmitter Frequency</b>	433.92 MHz
<b>Coding Type</b>	Code Hopping (non-linear encryption algorithm)
<b>Warranty</b>	1 year parts
<b>Operating Features</b>	Soft Start/Soft Stop (Preset) Adjustable Force Margin Automatic Gate Profiling
<b>Operating Modes</b>	Auto-Close, Light, OSC, P.E. Response, Pedestrian, Swipe, Vacation

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## CB-19 Board Layout

- 1 Aux. Control Input
- 2 P.E. N/C Input Terminal
- 3 OPN N/O Input Terminal
- 4 STP N/O Input Terminal
- 5 CLS N/O Input Terminal
- 6 OSC N/O Input Terminal
- 7 SWP N/O Input Terminal
- 8 PED N/O Input Terminal
- 9 COM Terminal for Input Terminals 1 to 8
- 10 OUTPUT 2 (Optional relay coil drive input)
- 11 OUTPUT 1 N/C Relay Contact
- 12 OUTPUT 1 COM Relay Contact
- 13 OUTPUT N/O Relay Contact
- 14 MOTOR 2 Terminal 1
- 15 MOTOR 2 Terminal 2
- 16 MOTOR 2 Close Limit Switch Input Terminal
- 17 MOTOR 2 Open Limit Switch Input Terminal
- 18 COM Terminal for Input Terminals 16, 17, 19 & 20
- 19 MOTOR 1 Close Limit Switch Input Terminal
- 20 MOTOR 1 Open Limit Switch Input Terminal
- 21 MOTOR 1 Terminal 1
- 22 MOTOR 1 Terminal 2
- 23 & 24 24 Vd.c. Output for powering accessories



- 25 P.E. Input Jumper
- 26 Standby Battery / Solar Charger Connection
- 27 Mains Earth Connection
- 28 24 Va.c. Power Input (From transformer)
- 29 Console Keypad
- 30 Console Display (LCD)
- 31 Antenna Connector

## CB-19 Menu Structure

