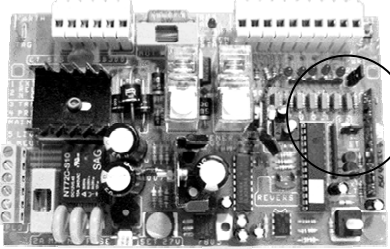# How do I…

### Program a new transmitter into the receiver?

Ensure that the RX POWER jumper is on. (Top of the two shown here) Either place the channel selection jumper across the middle pin and the pedestrian PD (left as shown) or button trigger BT (right as shown). With jumper in place press the required button on your transmitter, the RX DET LED will flash to confirm completion. Remove the channel selection jumper. Repeat for additional transmitters. (6 BT and 2 PD)

To Master erase all codes, remove all power from the PCB, next, short all three PD,BT and middle pins together, then power- up the PCB. Once buzzer starts one long beep, remove short and then power down for 10 sec.

Adjust my safety overload sensing?
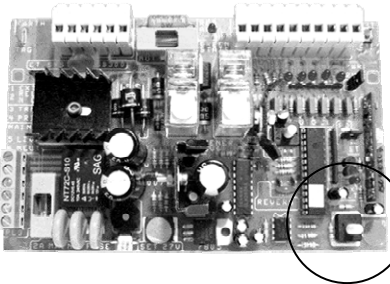
To increase the amount of load the control card must ignore (turn sensitivity down) turn the LOAD POT clockwise. Your gate should stop and reverse on closing, or stop and wait on opening, when sensing an obstruction. This can be tested by either pushing or pulling against the gate travel.

Select and adjust my auto-close?
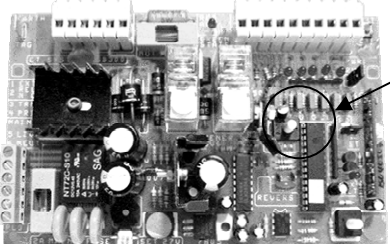
To activate auto-close turn the AUTO CL POT clockwise this will select auto-close time. Turning the POT further clockwise will increase the time. On reaching the open limit after adjusting the time the PCB will beep to indicate your time selection.

No beeps = off
1beep = 5 sec
2 beeps = 10 sec
3 beeps = 15 sec
4 beeps = 20 sec
5 beeps = 25 sec

DEIMOS BT –SB300 CONTROL CARD

- 24 Volt DC operation
- 24 Volt battery back-up
- Built in battery charger
- 220 Volt AC supply at gate
- Voltage free normally open (N/O) relay contact output for courtesy light(Max 3A @ 220 Vac non-inductive load)
- Built in surge protection (When earthed to sufficient mains earth leakage via earth tab on PCB)
- FET controlled (Solid state relay) motor output to prevent relay contact burn out
- Onboard LED indication for:
    - o AC fail (RED AC)
    - o Gate status (GREEN STATS)
    - o Open limit switch input (Lo)
    - o Close limit switch input (Lc)
    - o Pedestrian trigger input (PD)
    - o Button trigger input (BT)
    - o Safety infra-red beam input (BM)
    - o Receiver activity (RX DET)

- External status LED output
- Auxiliary 12 Vdc/1A output for powering of additional external devices
- Preset pedestrian opening distance and 5 sec.auto-close
- Auto-close option via standard POT adjustment
- Safety overload detection via standard POT adjustment
- Onboard **ET-BLUE** rolling code (Keeloq® code hopping) receiver for:
    - o Full opening (Button trigger-BT)
    - o Pedestrian/partial opening (Pedestrian trigger-P)
- Hardwire normally open inputs for both pedestrian and button trigger inputs
- Safety infra-red beam input (BM). If closing, the gate will stop and reverse on activation of the BM input
- Onboard button trigger test switch

- Audible mains failure indication. Buzzer will beep when BT input has been triggered prior to gate moving to indicate no input from the transformer.
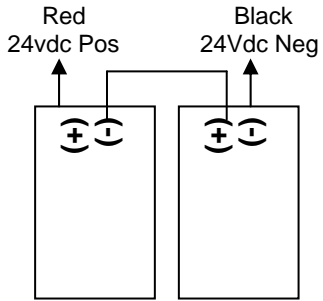
In case of mains failure or no motor output, check the respective fuse and replace with the same type fuse only.
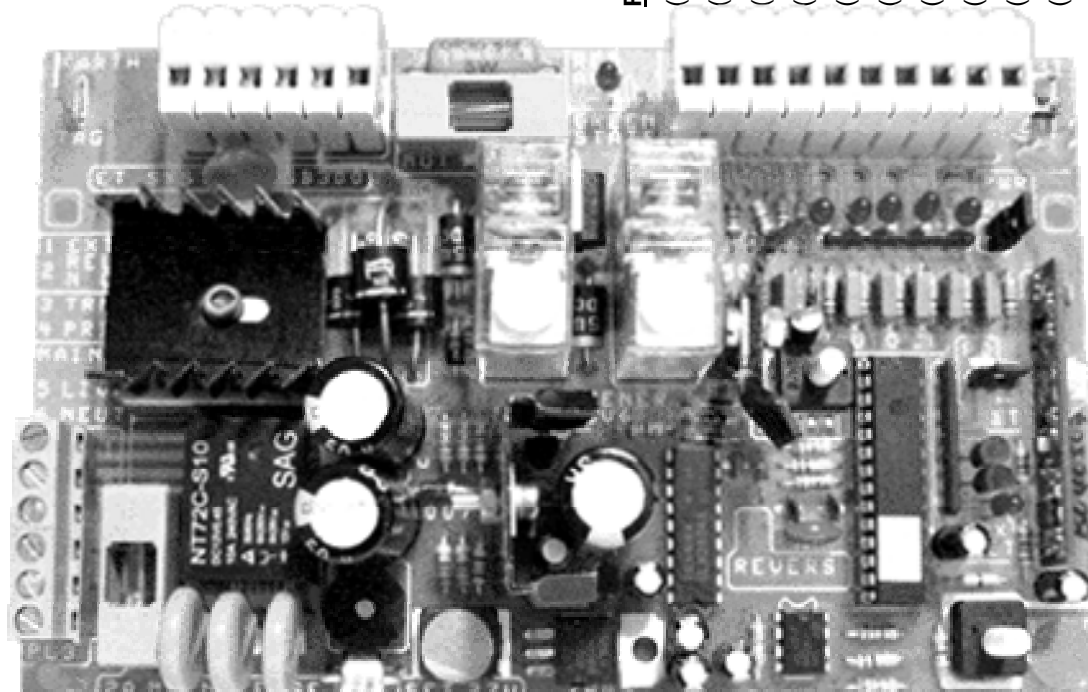
Motor output fuse – fast blow 8A

220Vac input fuse – fast blow 220/2A
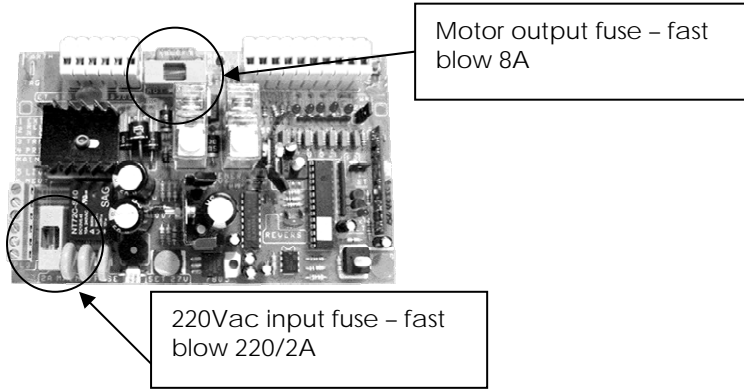
Battery Wiring

Connect the Positive terminal of battery 1 to the Negative terminal of battery 2 via the link lead supplied

Red
24vdc Pos

Black
24Vdc Neg

PLUG 3 (PL3)

N/O Voltage free relay output for courtesy light - Max 3A (1)

COM Voltage free relay output for courtesy light – Max 3A (2)

220 Vac to primary of transformer (3)

220 Vac to primary of transformer (4)

220 Vac live from mains supply (5)

220 Vac neutral from mains supply (6)

If your gate closes to the right ensure that the motor wires blue and red have been reversed as well as the limit switch wires red and brown. Opposite to what is shown

PLUG 2 (PL2)

(1) Low Vac from secondary of transformer
(2) Low Vac from secondary of transformer
(3) To neg (BLK) of battery #1(See Figure-Battery wiring)
(4) To Pos (RED) of battery #2 (See Figure-Battery wiring)
(5) To motor (Blue) (Gate closing to Left)
(6) To motor (Red) (Gate closing to Left)

PLUG 1 (PL1)

(1) External status LED (Anode) Pos output
(2) External status LED Neg (Cathode)output
(3) 12Vdc Pos aux output max 1amp
(4) 12Vdc Neg aux output max 1amp
(5) Close limit switch N/O input (Red)
(6) Open limit switch N/O Input (Brown)
(7) Common output for return to inputs 5,6,8,9 & 10
(8) Pedestrian trigger N/O input
(9) Button trigger N/O input
(10) Beam input N/O