

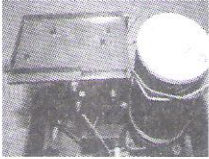
D.A.C.E. UNIVERSAL CONTROL BOARD

The D.A.C.E. UNIVERSAL CONTROL BOARD is designed to be used on all DuraSlide and DuraSwing motors. The Universal control board will not work in the place of the old V1.4 software motors. These motors are out of date and are regarded as having served their working life.

The following instructions are intended to assist with the fitting and connecting of the UNIVERSAL board onto an existing installation, i.e. as a replacement board.

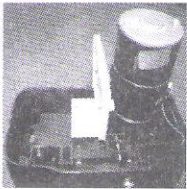
The installation and operation of the motor is not affected in any way, the major difference is the board lay-out. All programming and wiring remains the same as in the original manual supplied with the motor. These instructions can be used in conjunction with the existing manual.

The diagrams below show the different types of mountings that are found on the DuraSlide / DuraSwing motors. Before any fitting is done, it should be established which type of mounting you have. First identify the mounting, then using the number indicated, follow the relevant directions pertaining to that particular mounting.



Type 1

This is the SLEEK FLEET / M25 type motor. /
Double magnet type motor.



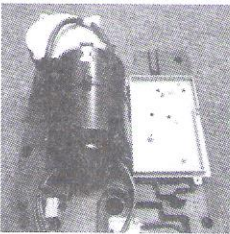
Type 2

This is the CAM / ECONO type motor



Type 3

This is the COMPAC T 500 type motor



Type 4

This is the DuraSwing type motor

There is a diagram showing the lay-out of the UNIVERSAL board on page 6

Fitting the UNIVERSAL board to the SLEEK FLEET / M25 motor.

Type 1

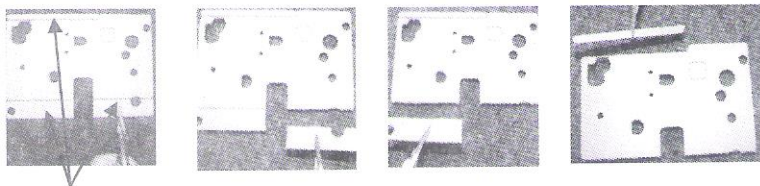
Step 1



Remove the universal board from the universal mounting by removing the screw in the ant-proof housing.

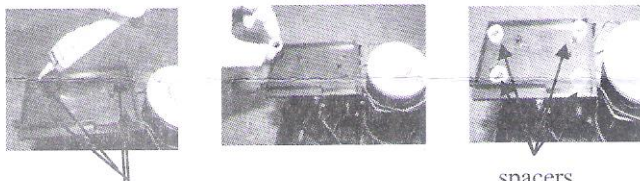
The housing and the board will now be loose and can be removed from the mounting

Step 2



Using pliers, break off the three pieces of plastic from the mounting as shown above.

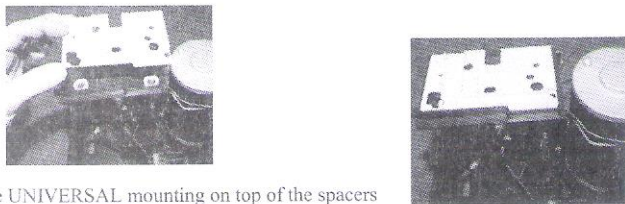
Step 3



spacers

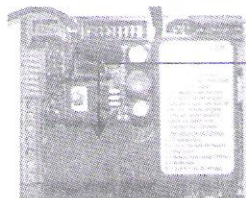
Place some glue on the existing mounting in the areas indicated.
Place the four spacers on the glue.
Apply a small amount of glue on top of the spacers

Step 4



Glue the UNIVERSAL mounting on top of the spacers

Step 5

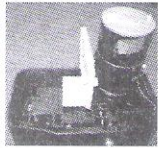


Re-fit the universal board by placing the screw in the ant-proof housing and tightening the screw until the board is firmly held in place.

The fitting is now complete. The motor is now ready to be programmed

Fitting the UNIVERSAL board to the CAM / ECONO motor

Type 2



The type 2 mounting is a vertical type mounting. Used on the CAM / ECONO motor.

These type of mountings require a magnetic sensor to be placed in the sensor housing in addition to the control board mounting.

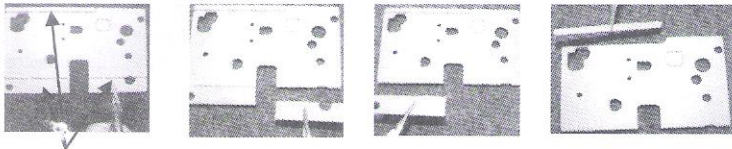
The following diagrams show how to mount both the board and the sensor.

Step 1



Remove the universal board from the universal mounting by removing the screw in the ant-proof housing.

Step 2



Using pliers, break off the three pieces of plastic as shown.

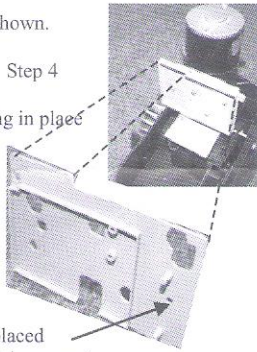
Step 3



Place some glue on the existing mounting.

Step 4

Fit the universal mounting in place as shown.



The self tapping screw supplied should be placed through the universal mounting into the existing mount.

Re-fit the universal board by placing the screw in the ant-proof housing and tightening the screw until the board is firmly held in place



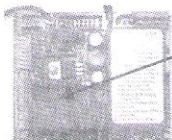
The fitting is now complete. The motor is now ready to be programmed

Fitting the UNIVERSAL board to COMPACT 500 motor

Type 3



Step 1



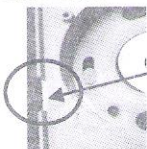
Remove the universal board from the universal mounting by removing the screw in the ant-proof housing.

Step 2



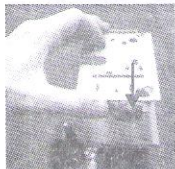
Using cutters cut a 15mm section of plastic out of the existing mounting as shown.
This is to allow for the battery wires on the UNIVERSAL board.

Step 3



Cut away here (15mm)

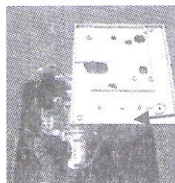
Step 4



Place the universal mounting onto the existing housing.

DO NOT GLUE.

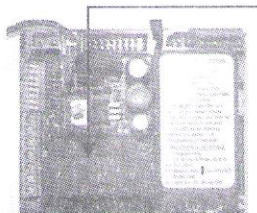
Step 5



Using the self tapping screw supplied, fasten the universal mounting to the existing mounting.

Place screw here

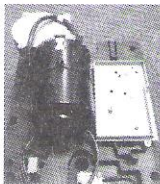
Fit the UNIVERSAL board as shown using the screw in the ant-proof housing



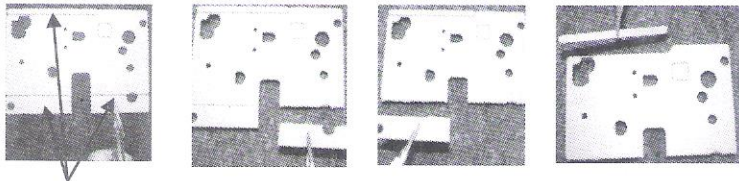
The fitting is now complete
The motor is ready to be programmed.

Fitting the UNIVERSAL board to the SWING motor

Type 4

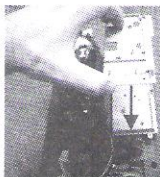


Step 1



Using pliers, break off the three pieces of plastic as shown above.

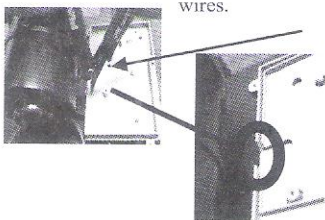
Step 2



Place the universal mounting onto the existing housing

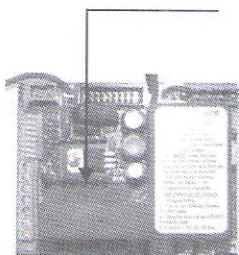
Using cutters, cut out a piece of plastic in order to allow for the battery wires.

Step 3



Step 4

Place the UNIVERSAL board onto the mounting and fasten using the screw in the ant-proof housing



The fitting is now complete.
The motor can now be set up

PROGRAMMING PROCEDURE. (for Slide Operators only)

The procedure shown below must be followed in order to program the motor. While the motor is in programming, it will run slowly. Ensure that the gate has solid end stops before programming the motor.
Do not connect any external triggers to the board until programming is completed.

1. Remove ALL power from the board. (Battery and Mains)
2. Manually open the gate 1.2m.
3. Engage the gearbox.
4. Set dipswitch 1 to the ON position.
5. Apply battery power only.
(L.E.D.s will flash. Open , Close , Status)
6. Press the TEST button.
The gate **MUST CLOSE** first and hit the close stopper.
The gate will re-open and hit the open stopper.
The gate will remain in the open position and the L.E.D.s will remain flashing.
7. Set dipswitch 1 to the OFF position.
The programming procedure is now complete.

DIPSWITCH SETTINGS

- | | |
|--|---|
| 1 = Programming. Used to program the motor. | ON = Program Mode NOTE : must be OFF for swing motors |
| | OFF = Normal mode. |
| 2 = Infra-Red Beams Bypass. Used to bypass the beams | ON = No Beams / Beams Bypassed. |
| | OFF = Beams Active |
| 3 = This switch is not used. | |
| 4 = Beams Auto Close. (PIRAC) | ON = Beams Auto-Close Active |
| | OFF = Beams Auto-Close Not Active. NOTE : must be OFF for swing motors |
| 5 = Multi-user. Used in high traffic areas i.e. Housing Complex, Schools, Factories e.t.c. | ON = Multi-user Active |
| | OFF = Multi-User Not Active |
| 6, 7, 8 = Auto-Close Time. Used to automatically close the gate. 6 ON =+10 seconds / 7 =+20 seconds / 8 =+40 seconds | |

PROGRAMMING REMOTES TO THE BOARD

1. Press and hold the button on the remote.
2. Place the jumper on the TX LEARN pins.
3. Remove the jumper.
4. Release the button on the remote.

