PILOT ONE Ltd

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COMPUTER CRANE DRIVER

The kit comprises:-

Interface/control unit
3 optical sensors and discs
Software package (cassette)
Manual with full instructions.

The CRANE CONTROLLER provides a simple method of connecting a model crane to the B.B.C. micro. The control unit has relay outputs to control the directions of three motors one at a time. In addition a switch circuit is connected for controlling lights, horns or an electro-magnet for picking up objects.

The control unit can be used with any kind of low voltage motor drawing less than 0.5 Amps. The long connecting leads can either be soldered directly onto the motor contacts or if motors from LEGO(r) or fischer-technic(r) are used the special motor plugs can be used. The power lead for all the motors can be fed from batteries or a suitable power-pack.

Sensor lines are provided for feedback control in programs. The 3 lines terminate on polarised 4 pin connectors. These connectors provide a power source for light beam sensors and both 5V and ground lines compatible with a range of sensors available from PILOT ONE. The 3 reflective optical sensors and discs provided in the kit can be used to sense the rotation of the motor axles on your crane. The CRANE DRIVER program utilises these sensors to create more precise control of the model.

A full software package contains a menu driven program that allows direct control of the crane from the keyboard or a series of moves for the crane can be planned on the screen, filed or executed in a continuous loop. The first of these programs uses timing loops to control the motion but the second utilises the feedback sensors to detect how far the motors have turned . A full set of BASIC procedures is also provided to allow the user to build his own drive routines around our procedures.

The unit is not limited to crane applications as it can provide drive for any three or four motor models. The software has an option to allow the user to configure the screen display to use names and actions for each motor defined by the user. In this way the software can be easily "customised" to meet an individuals requirements.

PRICE IN/1002/CC   £ 39.50   (excluding V.A.T.)
                               Post and package £2.00 in U.K.

PILOT ONE reserves the right to change specifications and prices without notification to customers.