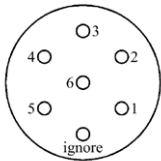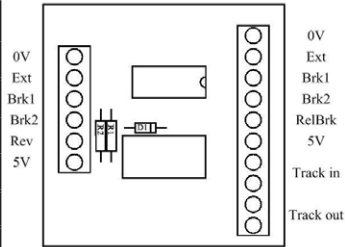# Hand-held add-on unit - for use with PICtroller

Connecting the hand-held control unit

The hand-held unit is supplied with a 6pin DIN plug and socket, wired as follows:

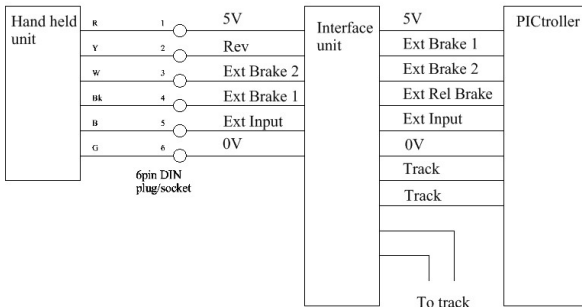| Function	Pin	Colour
5V	1	R
Reverse	2	Y
Ext Brake 2	3	W
Ext Brake 1	4	Bk
Ext Input	5	B
0V	6	G

View from rear of socket

The connections to the interface card are marked on the PCB and shown above.

Operating the hand-held unit

On the PICtroller select Ext input and set the brake off. The controls on the hand-held unit then control the speed, braking and direction of travel according to the mode set on the PICtroller. If the hand-held unit is left plugged in when reverting to the main PICtroller controls, ensure that the brake switch is in the Off position.

The interface unit may be connected to a number of DIN sockets placed around the layout and the hand-held unit may then be moved to follow a train around the layout. If this mode of operation is adopted the PICtroller should be operated in Coast & Brake mode so that the train continues to run at the same speed while the hand-held unit is disconnected. Also ensure that the reversing switch on the PICtroller is set so that forward movement corresponds to the right position of the reversing switch on the hand-held unit, otherwise the slave relay in the interface unit will de-energise and the train reverse when the hand-held unit is disconnected.

The PICtroller hand held add-on is guaranteed against faults in manufacture for 1 year from purchase.

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