

## Connecting an HID iclass R10/R15/R30/R40 reader to Net2

### Technical Support



01273 811011



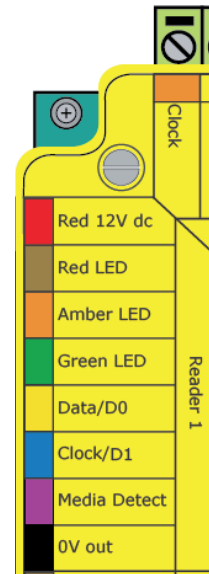
[support@paxton.co.uk](mailto:support@paxton.co.uk)

Technical help is available: Monday - Friday from 07:00 - 19:00 (GMT)  
Saturday from 09:00 - 13:00 (GMT)

Documentation on all Paxton products can be found on our website - <http://www.paxton.co.uk/>

### Net2 Reader Connections:

Cable Pinout		ACU terminal
tb1-4	Red	+12V
tb1-6	Brown	Red LED
	-	Amber LED
tb1-2	Orange	Green LED
tb2-3	Green	Wiegand D0
tb2-4	White	Wiegand D1
		NOT USED
tb1-3	Black	0V
tb1-5	Screen	0V



Ensure any unused wires are safely terminated.

### Additional information:

The output from the reader is in a Wiegand format. The bit output from the reader is dependant on the iCLASS card encoding used. The R10, R15, R30 & R40 iCLASS readers are also able read the 32 bit card serial number (CSN) of a MIFARE card. This can be set during reader production, or in the field using configuration cards. The bit output should be confirmed with HID if unknown, to ensure the correct settings are applied in the Net2 software.

As standard, the reader is set to control the LEDs. This must be changed to LED host control, using the configuration card HID06 LED and Beep card, available from HID.

If the iClass reader has an embedded keypad, (depicted by the prefix RK or RWK), the keypad can operate in 4 bit standard mode with Net2.

To set up a Wiegand filter to screen out the card number, you will need to use the Net2 Server configuration utility. Once completed, select the reader 'Token data format' in Net2 to 'Wiegand Custom'.

See [AN1010 - Configuring custom Wiegand formats < http://paxton.info/990 >](http://paxton.info/990)

[AN1112 - Configuring a Wiegand keypad < http://paxton.info/1650 >](http://paxton.info/1650) for more information

### Additional settings:

To configure the LED setting, open the Net2 server configuration utility and on the 'General' tab, check the 'Display reader LED's in OEM style' box.

If the option is not available, please contact Technical support for further advice.