

Connecting a TDSI EM4100 proximity reader to Net2

Overview

This TDSI reader will read EM4100 tokens to produce a 26 bit Wiegand or Clock and Data output.

The Brown wire is used to select the output format: 0V for Wiegand - Not Connected for Clock/Data.

The unit was tested with TDSI cards producing a 26bit Wiegand output. (5002-0354)

The Clock and Data output was not consistent and should not be used with Net2.

The reader was tested with various cards and produced a 3 digit site code and a 5 digit card number. This did not match any numbers printed on the card but was consistent throughout the batch.



	Cable Pinout	ACU terminal
	Red	+12V
	Blue	Red LED
	-	Amber LED
	Green	Green LED
	White	Wiegand D0
	Yellow	Wiegand D1
	-	NOT USED
	Black	0V
	Brown	0V

10	Red 12V dc
11	Red LED
12	Amber LED
13	Green LED
14	Data/D0
15	Clock/D1
16	Media Detect
17	0V out

Ensure any unused wires are safely terminated.

User cards should therefore be read into Net2 by using an ACU with a reader set to 'Desktop Reader' to ensure that the number registered to a user is read correctly when read at a door.

Paxton advise checking for the correct site code with the Wiegand filter to provide a higher level of security. To determine how this may be done see [AN1010 - Configuring custom Wiegand formats < http://paxton.info/990 >](http://paxton.info/990)

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.



+44 (0)1273 811011
support@paxton.co.uk
paxton.support



+49 (0) 251 2080 6900
support@paxton-gmbh.de
paxton.gmbh.support



+33 (0)157 329356
support@paxtonaccess.fr
paxton.support



+32 (0)78485147
support@paxton-benelux.com
paxton.benelux.support



+31 (0)76 3333 999
support@paxton-benelux.com
paxton.benelux.support



+27 (0)21 4276691
support@paxtonaccess.co.za
paxton.support



+1(800) 672-7298
supportUS@paxton-access.com
usapaxton.support



+11 5715088198
soporte@paxton-access.com
paxton.soporte



+1 (864) 751-3501
soporte@paxton-access.com
paxton.soporte



8000 3570 3783
support@paxtonaccess.ae
paxton.support



+44 (0)1273 811011
support@paxton.co.uk
paxton.support