

## 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.

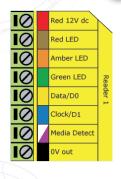
The Brown wire is used to select the output format: 0V for Wiegand - Not Connected for Clock/Data.

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

The Clock and Data output was not consistant 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 consistant 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



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 < <a href="http://paxton.info/990">http://paxton.info/990</a> >

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.

