# ZK Teco Facial, Palm and Temperature Recognition - Reader Connection.

This document summarises how to connect a ZK Teco ProfaceX[TD] or Speedface-V5 [TD] reader to ACT Enterprise, ACT 365 and SiPass Integrated.

Notes

- This is a Wiegand reader connection, so ensure your license has capacity for Wiegand readers (SiPass).
- Facial profiles and users must be taught in to the ZK Teco unit and the user number from the access system used as the unique User ID.
- The instructions included in this guide were written around and tested with, the ProfaceX-[TD] unit, although the same procedure should apply for the Speedface-V5 [TD]

VANDERBILT

# 1. Enable correct Wiegand Protocol in Reader

On the reader menu navigate to Comm>Wiegand Setup>Wiegand Output>Wiegand Format:
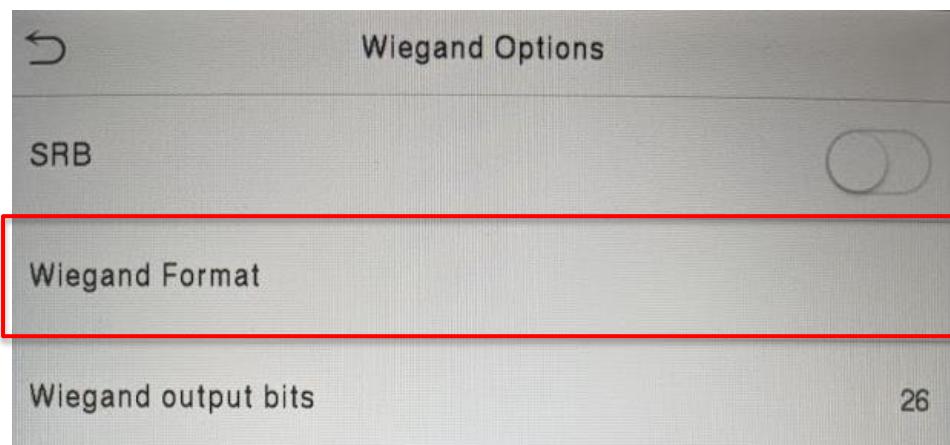
Tap on the 34 Bits format as shown below:
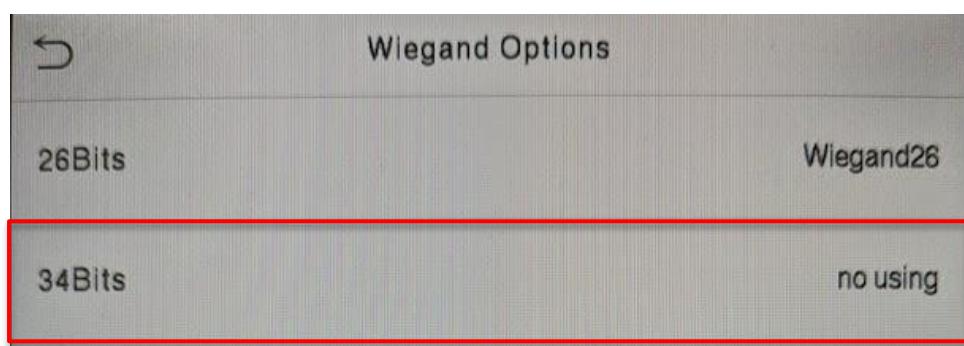

Select the "Wiegand 34" format as shown below:
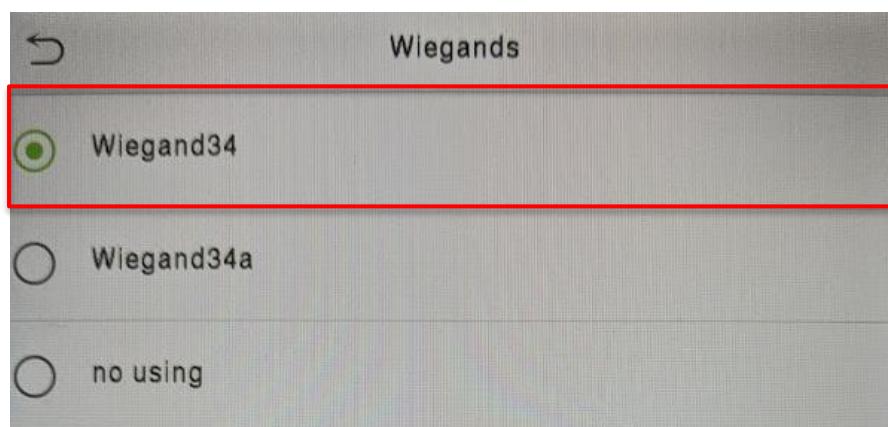
Now, under the Wiegand Output Bits menu, you should be able to select "34":
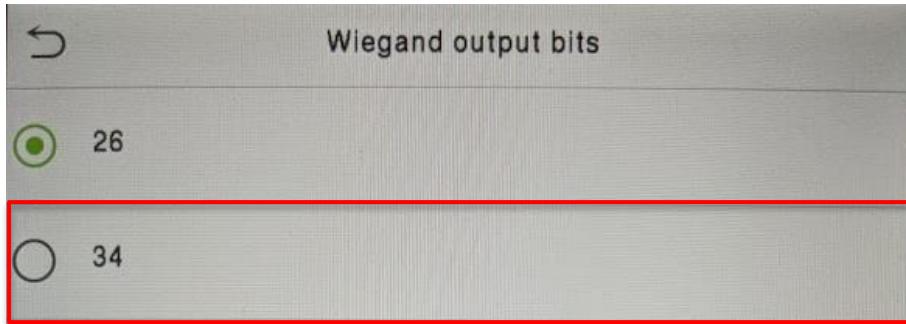
The final change that needs to be done is to change the output so that we're sending the unique "User ID" to the connected host system, this change is made under the "ID Type" selection:
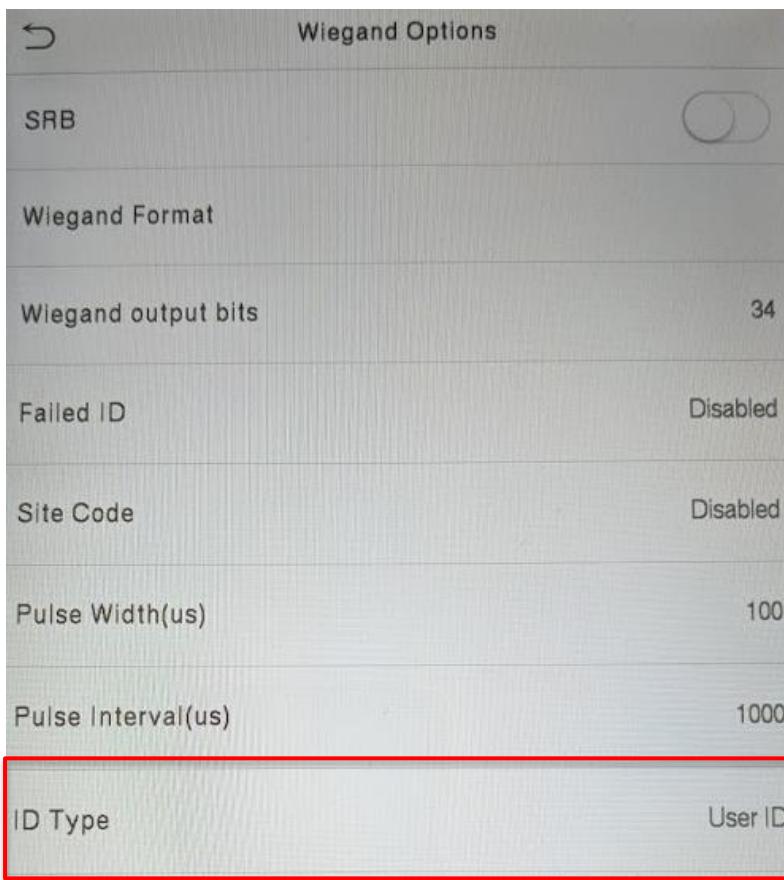
The device is now configured to output the unique user number via the Wiegand 34 bit protocol.

2.   Connection to ACT Enterprise

The connections required between reader and controller are as simple as Wiegand data lines, and a 0v reference.

Due to the heavier than normal power requirements of the reader, a dedicated power supply should be used – Please consult the reader installation guide to ensure you have a suitable supply or use the provided PSU.

If you wish to be able to manage this reader remotely via ZKBio Security, then an IP connection will also be required.
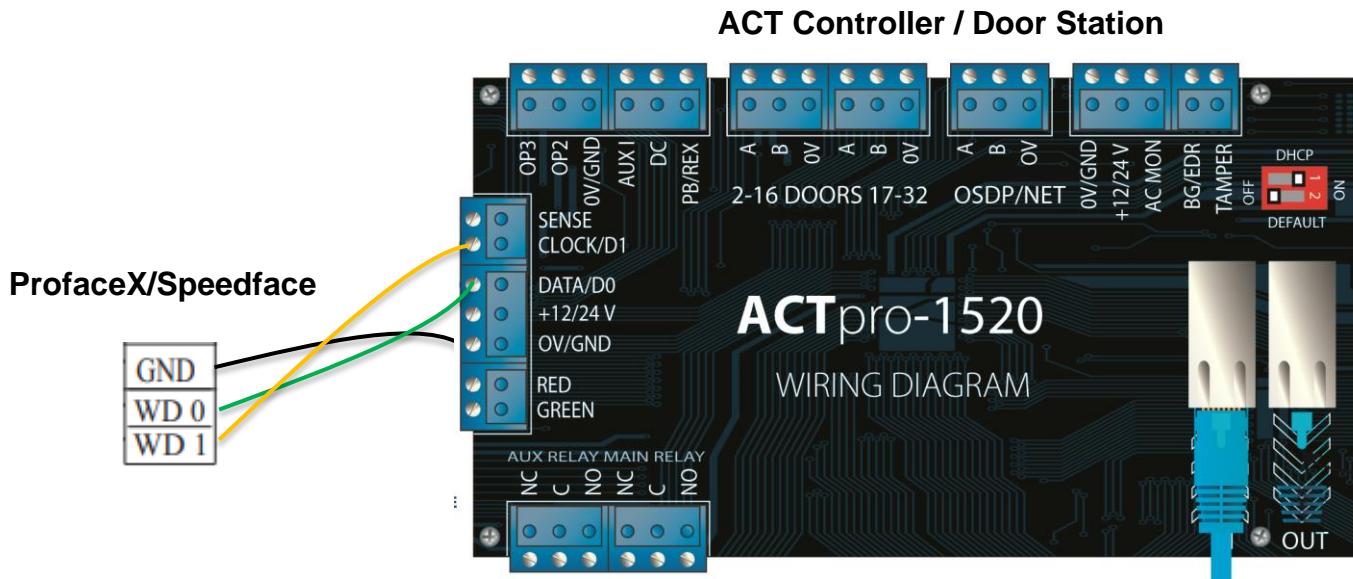
ACT Controller / Door Station

Biometric Reader	ACT Controller
Wiegand D0	Data/D0
Wiegand D1	Clock/D1
0v	0v

Defining the Wiegand Format – ACT Enterprise

For the Wiegand format to be interpreted correctly, a custom card format must be defined in ACT Enterprise. The format is as defined below.

ACT Install>Advanced Setup>Card Configuration>Format

3.   Connection to ACT 365

The device connects to an ACT365-ACU as shown below.
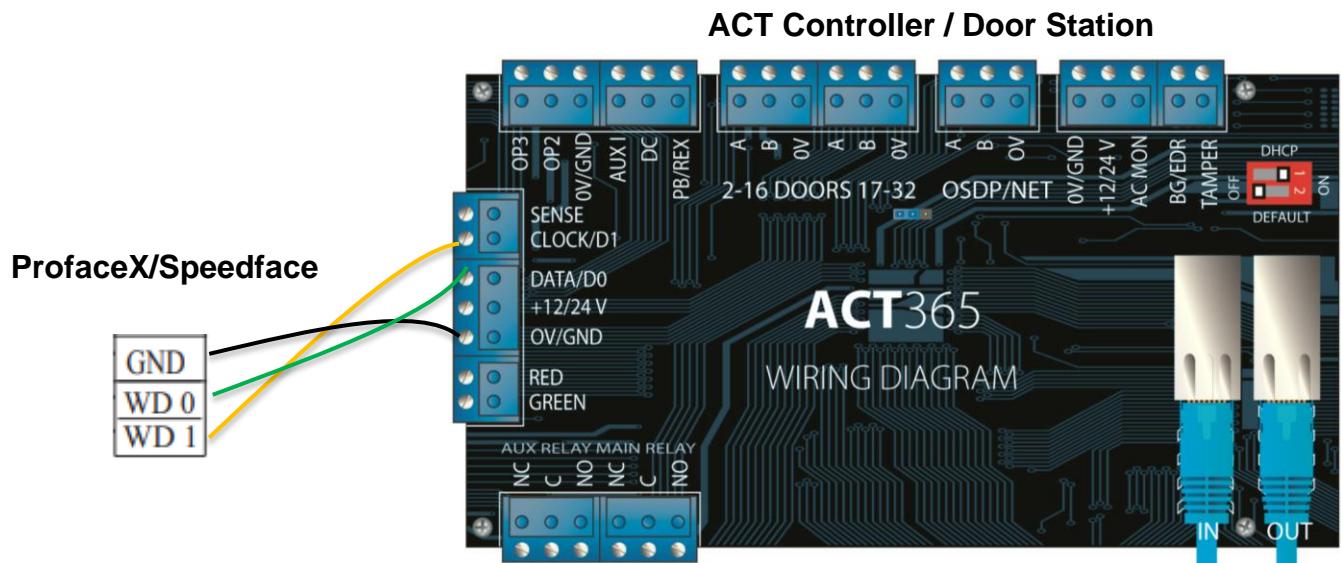
ACT Controller / Door Station

Biometric Reader	ACT Controller
Wiegand D0	Data/D0
Wiegand D1	Clock/D1
0v	0v

Defining the Wiegand Format – ACT365

In the **Customer Portal** navigate to **Settings>Card Formats.**
In here you will see all currently defined card formats. You will need to click on + New Card Format to add a new one.

The Card format to be used should be as follows:

Total number of bits = 34
Card number = 2->33
No Parity bits defined

4. Connection to SiPass Integrated - DRI

The device connects to an ACU as shown below.

ProfaceX/Speedface
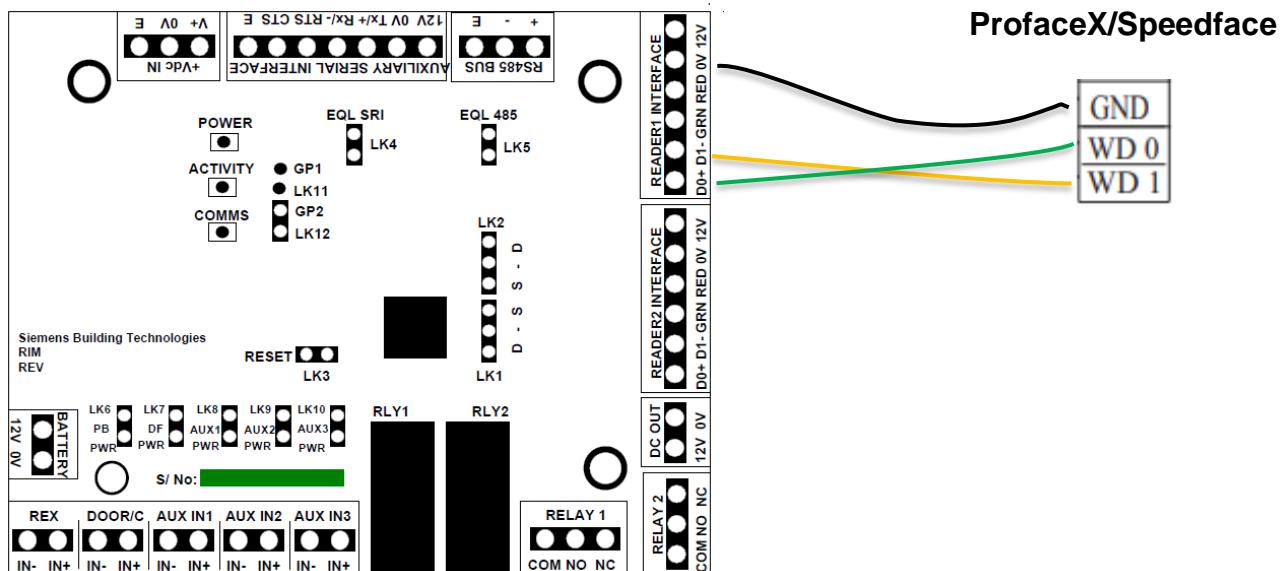
Biometric Reader	ADD5100
Wiegand D0	D0
Wiegand D1	D1
0v	0v

Configuring custom Wiegand protocol in SiPass

For the Wiegand format to be interpreted correctly by SiPass Integrated, a custom card format must be defined

SiPass Integrated Configuration Client>System>FLN Configuration>Custom Card Format>Add

The card format should be defined as follows:

Total Length: 34
Number: 2-33
No Parity Calculation

SiPass Integrated Configuration Client>System>FLN Configuration>*ACC*>*FLN*>*RIM*>Configuration

With the card format created, it now needs to be assigned to the relevant doors - Make sure to apply this format to any RIM where the devices are connected.
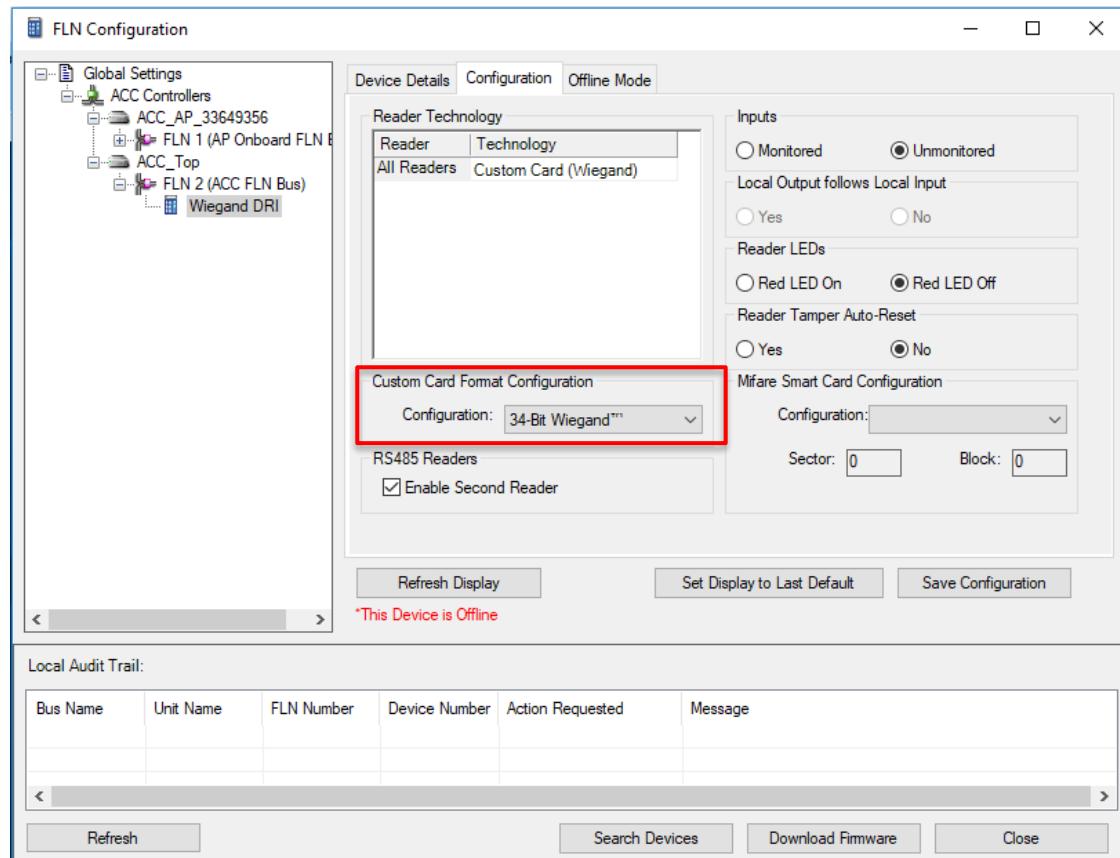
If you have any questions, please contact our Technical Competence Centre.

Contact details can be found on our website.