

Invidium Titan Facial Reader with Thermal Enhancement Kit - SF1008+ & SF1005-V+

Overview

The Titan Facial reader + Thermal kit can be used with Net2 to permit or deny access based on the user's temperature. When a temperature is detected outside of the set threshold the reader will notify the user that there is an abnormal temperature and deny access. The Titan Facial reader + Thermal kit supports the following token formats: EM, MiFare, DESFire EV1, HID Prox, HID iClass, iClass SE, SEOS.

This application note will run through the following modes of operation:

- Temp only
- Token + Temp
- Face + Temp



Setting up Temp only mode

Out of the box, the Titan reader will detect a face. Using the Thermal Enhancement kit as well will determine the temperature. Providing it is below the set threshold, access will be permitted by firing the relay on the reader.

IXM TITAN with the IXM TITAN Enhancement Kit can be used to screen visitors or other non-enrolled users by measuring the user's body temperature and providing feedback on the IXM TITAN touchscreen display. Simple configuration of Visitor Screening Mode can be accomplished through the onscreen menus of IXM TITAN or via Invidium IXM Web software.

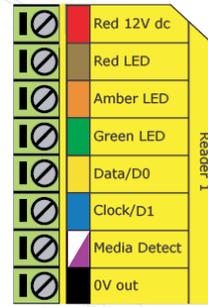
- On TITAN display, access the apps menu then proceed to General Settings > Health Settings > Edit Settings. Check beside the Visitor Screening Mode then Save button at the top of the screen.
- In IXM Web navigate to Device > Thermal Settings and check the box next to Enable Visitor Screening then click on Apply

Setting up modes: Token + Temp & Face + Temp

Connecting the reader to a Net2 Plus controller

There are two other main modes of operation; Token + Temp and Face + Temp. In both cases the Titan reader + Thermal kit should be wired to the Net2 plus as shown in the diagram below:

Cable Pinout	ACU terminal
NOT USED	+12V
NOT USED	Red LED
NOT USED	Amber LED
NOT USED	Green LED
WD0	Wiegand D0
WD1	Wiegand D1
NOT USED	NOT USED
GND	0V



Ensure any unused wires are safely terminated.

Net2 Configuration Utility Settings

Configure the reader port settings for the ACU the reader has been connected to as shown in the screenshot below:

Reader 1	Reader 2	Alarm	Events	Fire alarm inputs	Intruder Alarm	Access rights
Reader details						
Name		ACU 02224897 (Out)				
Reader type		Wiegand reader				
Keypad type		None				
Token data format		Wiegand custom				
Operating mode						
Reader operating mode		Desktop reader				
<input type="checkbox"/> Timed operating modes - This allows for different reader operation during a selected timez						
During this timezone:		3rd shift switcher				
This reader will operate as:		Inactive				
Reader action - This is what will happen when a valid access is granted.						
		Relay 1 opens for door open time				

*Users must be enrolled on both the Titan reader and in Net2. The IXM Link module that is part of IXM Web allows for automatic synchronization of cardholder records between Net2 and IXM Web. Enrollment for Face Recognition will be performed in IXM Web.

System limitations to note:

- A Failure to Identify event or denial of access based on elevated temperature will result in no data being transmitted to Net2, therefore no event will be reported.

For more information please visit the manufacturers website: <https://vimeo.com/427727900>



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