Version 1.0 October 2019

Suprema Biometric 4750 GT4 Reader Module Installation Guide

RM-SP-4750-GT4

General

The RM-SP-4750-GT4 is a high performance fingerprint reader module capable of both verification and identification.

- Large capacity 4750 finger memory
- Adaptive algorithm with dual template allows self tuning of system during use
- Wide tolerance of finger position and rotation
- Easy Installation

The fingerprint sensor is an active capacitive type and will give good performance in most situations. It is not however suited to wet or dirty environments.

The fingerprint reader for the GT4 is housed in a module which fits into the front face of the Terminal Front Panel and connects using the cable provided.

When powered up the terminal will detect the presence of the Biometric Module.

Module Power Loading
55mA @12V Terminal Power IN

Fitting the Reader Module

Ensure Terminal is powered down and follow the procedure below.

1. Remove Blanking Panel

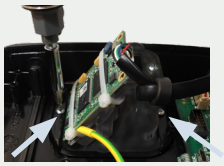
Unscrew two retaining screws and remove blanking panel.

2. Position Module

Pass cable through front panel aperture and position module.

3. Secure Module with Screws

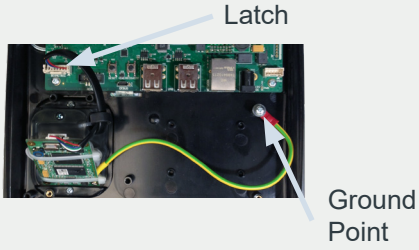
The module is secured using the existing screws as shown. Screw tension should be sufficient to hold module firmly but avoid over tightening.



4. Connect Module

Connect to the Front Panel 'Biometric Reader Connector' observing the polarising key.

To remove connector squeeze latch release and pull connector shell.



Fit the Ground Wire to the threaded post as shown below with screw and washers provided.

If a non-grounded power supply is used (no path from output negative to ground) then this terminal should be connected to ground in order to provide a discharge path for static electricity.

Sensor Cleaning

If the sensor becomes soiled it may be safely cleaned as follows:

Dampen a lint-free cloth or cotton swab with isopropyl alcohol. Gently rub the cloth across the sensor surface in a left and right direction. Move slowly down the sensor to cover the entire surface area. Repeat this process 2-3 times. Visually observe that no residual solution remains on the sensor.

Caution: Abrasive materials are not recommended for cleaning the sensor.

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