User manual

For

uTrust SCRAMBLEPAD TS
Version 1.0

Confidential

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Document History

Version	Date	Description of Change	Author
1.0	20-February-15	Initial version	Suresh Kumar T

uTrust Scramblepad TS User Manual

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1.0 Introduction

This document details the Physical Access Control Reader **uTrust Scramblepad TS** and its basic user instructions and installation procedures.

2.0 Reader

2.1 Functionality

Scramblepad reader TS is a physical access control smart card reader that can read HF and LF contactless credentials, conforming to the following standards: ISO 14443 A & B, ISO15693 with a Randomly displayed keypad pin entry for additional security. The reader can interface with an access control system equipped with a RS-Hirsch serial interface

2.2 Front/Top Casing

2.3 Back plate/View

3.0 Product details

Model Name	: uTrust Scramblepad TS
Model #	: DS47L-SSP-TS
Device Type	: RFID reader, 13.56MHz (HF) / 125 KHz (LF), keypad Physical Access control Reader (accessory equipment)
Type of equipment	: Suitable for Indoor / Controlled Outdoor use
Interface Type	: Phoenix connectors
Voltage Rating	: 28V DC
Current Rating @28 V	: 100 mA
Communication protocol	: RS-HIRSCH protocol

4.0 Specifications

Model	Op Voltage	Current @ 12V	Op temp	Cable Length
uTrust SCRAMBLEPAD TS	28 VDC	100 mA	-20 to +60 Deg C	Max. wiring run: 750 ft (230 m) with 22 gauge, or 1,800 ft (550 m) with 18 gauge, 2 pair, stranded, twisted, overall shield

5.0 Power up and Testing

1 **Turn power on**
Beep sound comes.

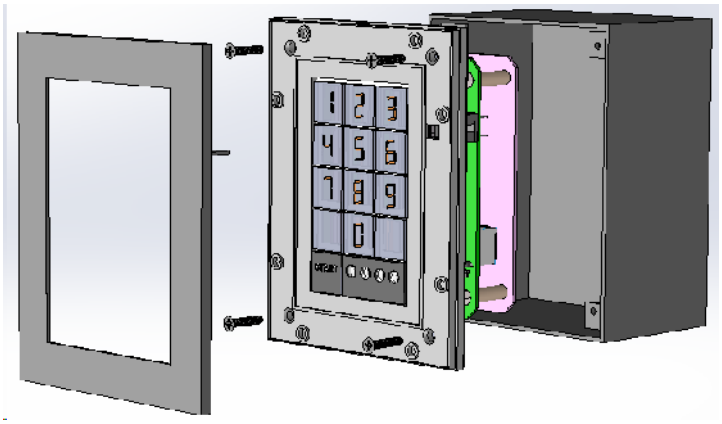
2 **Present a card**
HF card, LF card
The green LED glows when passed, RED LED when failed with a short Beep

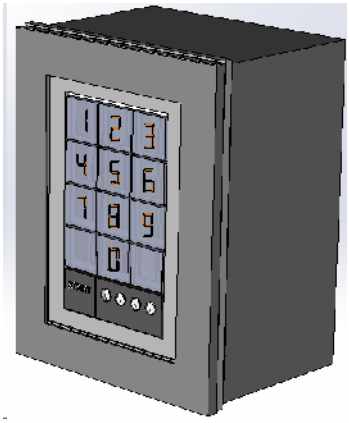
3 **Press Start Key**
Scrambling display with buzzer tone & displays scrambled key

This is the default reader behavior.

6.0 Installation

- Install the respective mounting box in to the wall
- Take the cable from the backside of the reader as per the pin outs in the label drawing
- Fix the four screws at the corner into the mounting box
- Fix the bezel on the top of the installed reader





7.0 Certifications

7.1 FCC

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Information to user

Changes or modifications not expressly approved by ***Identiv*** *could* void the user's authority to operate the equipment.

7.2 IC

This device complies with Industry Canada license-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference
(2) This device must accept any interference, including interference that may cause undesired operation of the device.