Automated Temperature Measuring System

SVTECH

Prism

For your safety

Warnings

⚠ SVTech Prism is a screening equipment (filtering)

⚠ The temperature of the skin`s surface can be different from the body temperature, especially when the air outside is significantly cold. In this case the temperature should be measured after a few minutes of acclimatisation.

Installation

SVTech Prism can be set up in a few simple steps

The sudden changes in the environmental temperature can influence the accuracy of the measurement.

1. For a measurement as accurate as possible, position the SVTech PRISM by following the rules below:

   a) Position the device at a distance at least 2m from doors, windows, in a room where the environmental temperature is as constant as possible, preferably between 12 and 33 ° C.

   b) Do not install the thermometer near radiators or in the range of air conditioning devices.

   c) Protect the device from direct sunlight, otherwise the measured values can be inaccurate.

   d) If the environmental temperature is below 17° C the measurements become inaccurate.

2. Connect the plug to the thermometer and then plug it in to the electricity outlet

3. The device acclimatises in maximum 5 minutes and is ready for use

Settings
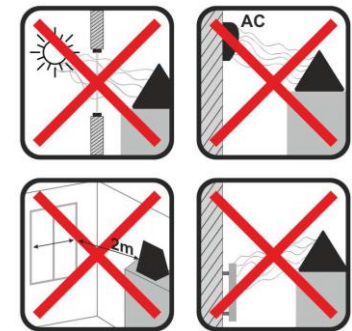
Warning Threshold

The factory warning threshold is set to 37.4°C. This value can be change by the help of the button located at the bottom of the thermometer.

- After one push of the button the threshold value is going to blink on the display. By pushing the button repeatedly the value can be changed in steps of 0.1 degrees C.

- The interval in which warning the threshold can be modified is 37 -39 degrees Celsius.

- When reaching the desired value, push and hold the button to save the selected value.

Deactivation of the Beep

The warning beep can be deactivated.

1. Push and hold the button located at the bottom of the thermometer and keep in pushed until the display shows beep On or beep Off.

Use

1. Position your forehead at a distance of 10 cm from the sensor of the thermometer. The display shows a countdown (3-2-1)

2. The measured temperature is shown on the display.

3. If the temperature value does not exceed 37,4 °C a green light comes on and a short beep is heard.

4. If the measured value exceeds 38°C a red light come on and a long beep is heard. In this case the temperature must be measured again after 5 minutes. If the value remains high after the second measurement as well it is recommended to get in touch with a doctor.

5. If the measured temperature is under 35°C the letter "Lo" are displayed:

   a) If the subject came from outside where it was cold, the measurement is going to be repeated after 5 minutes of acclimatisation.

   b) If the environmental temperature is under 17°C, the thermometer can show inaccurate values; in this case the device must be placed in a room where the temperature is constant at 20°C at least.

   c) Warm objects in the field of scanning can also influence the measurement
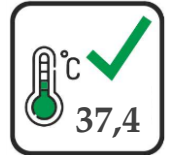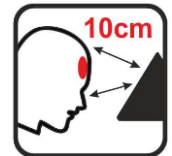
   ⚠ • SVTech Prism is not suitable for measuring the temperature of babies and animals

   • Glasses or long hair that covers the face might also influence the accuracy of the measurement

Connecting with Access Control Systems

Recording the temperature with the code of the access cards

SVTech PRISM has a Wiegand 26 interface. The codes of the scanned access cards are recorded in PRISM together with a timestamp and the measured temperature. These values are saved in the PRISM account.
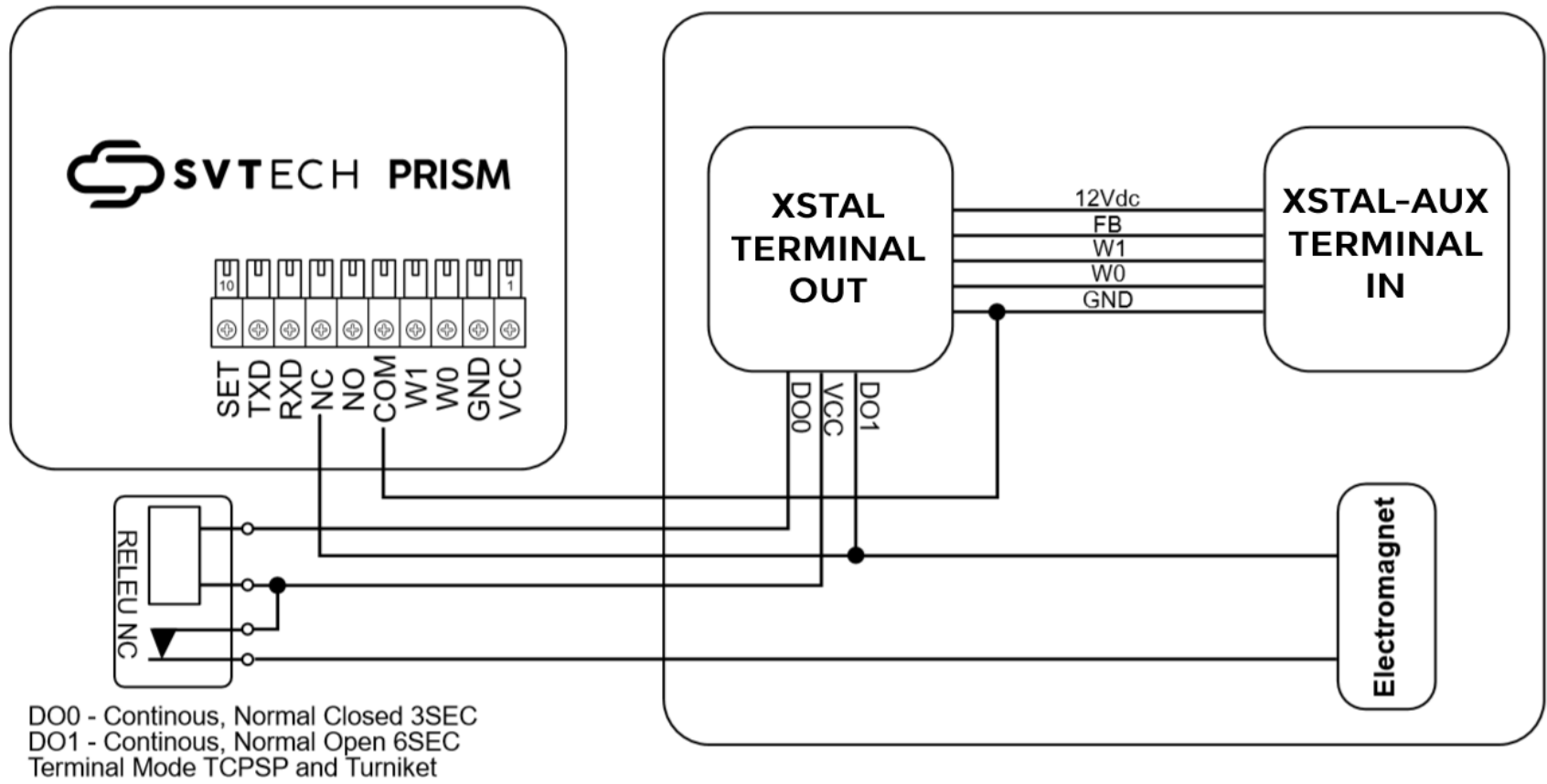
Sequence of use:

1. The access card is scanned

2. The temperature is measured

Access Control Depending on Temperature and Access Card

If the temperature is under the warning threshold PRISM operates the relay. The output command of the access control system must have a serial connection with the PRISM relay.
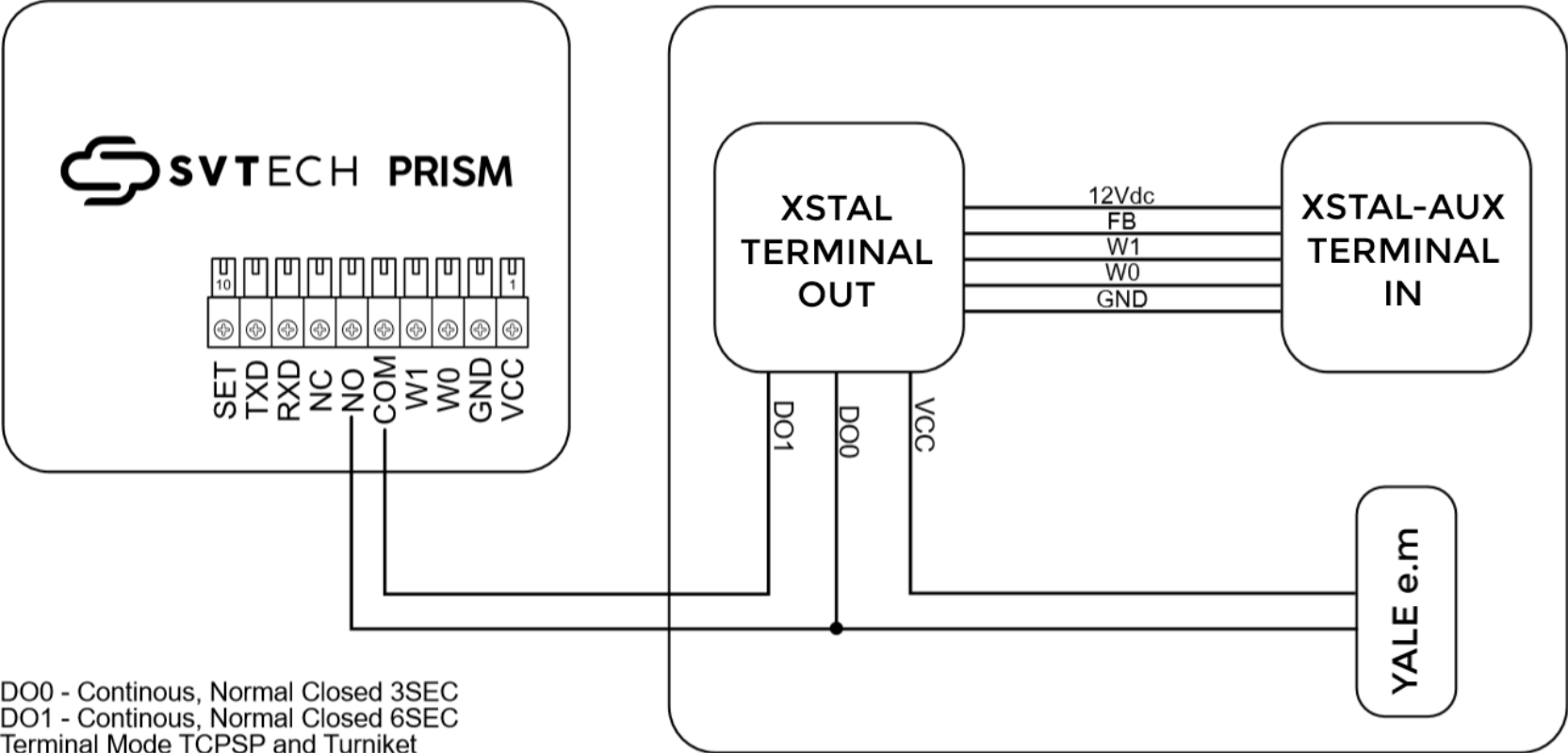
Connecting SVTech to Electromagnet 1

Connecting SVTech to Electromagnet 2

SVTech Yale System 1

SVTECH

SVTECH PRISM

SET TXD RXD NC NO COM W1 W0 GND VCC

XSTAL TERMINAL IN

12Vdc
FB
W1
W0
GND

XSTAL-AUX TERMINAL OUT

DO0 DO1 VCC
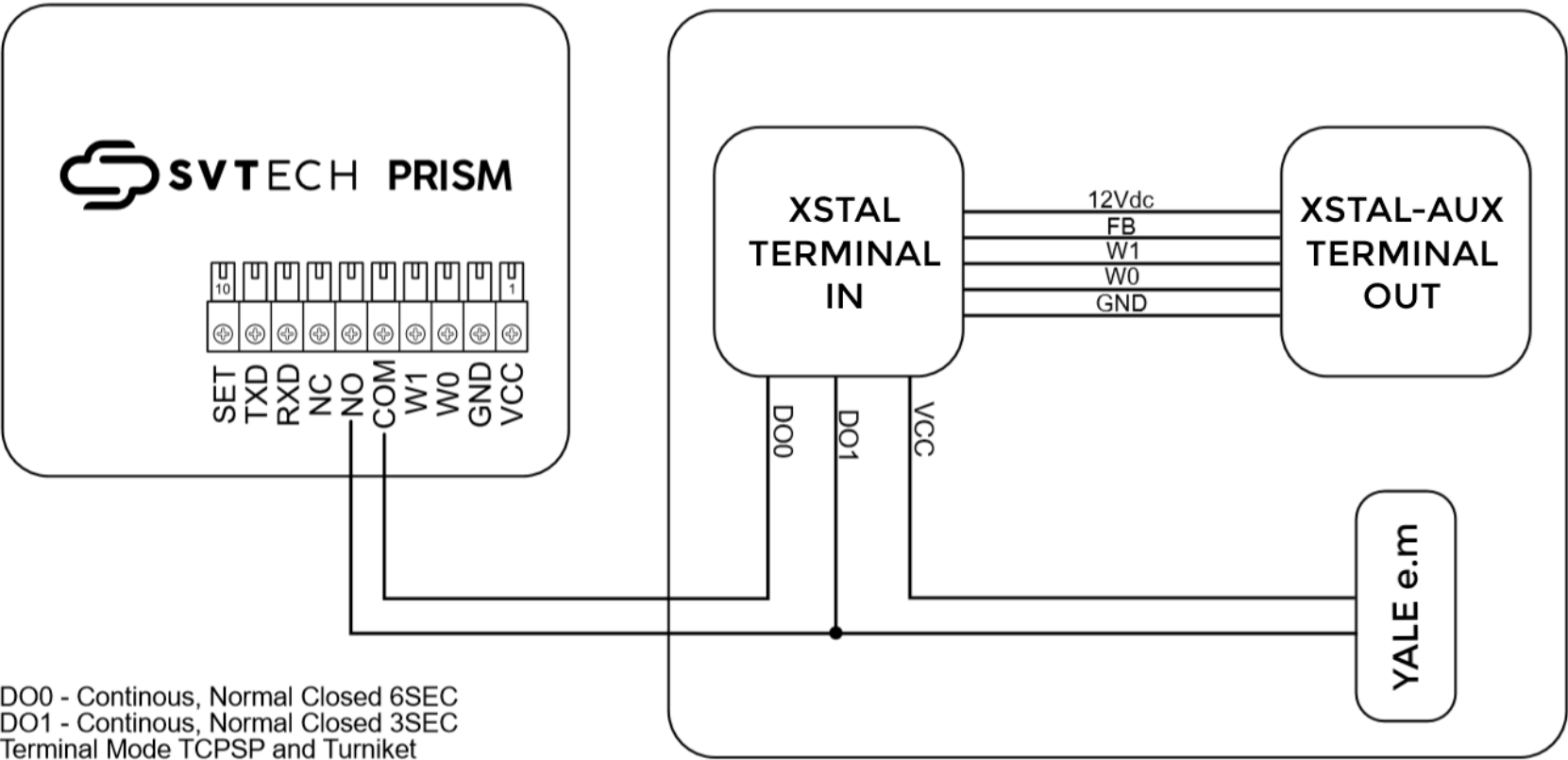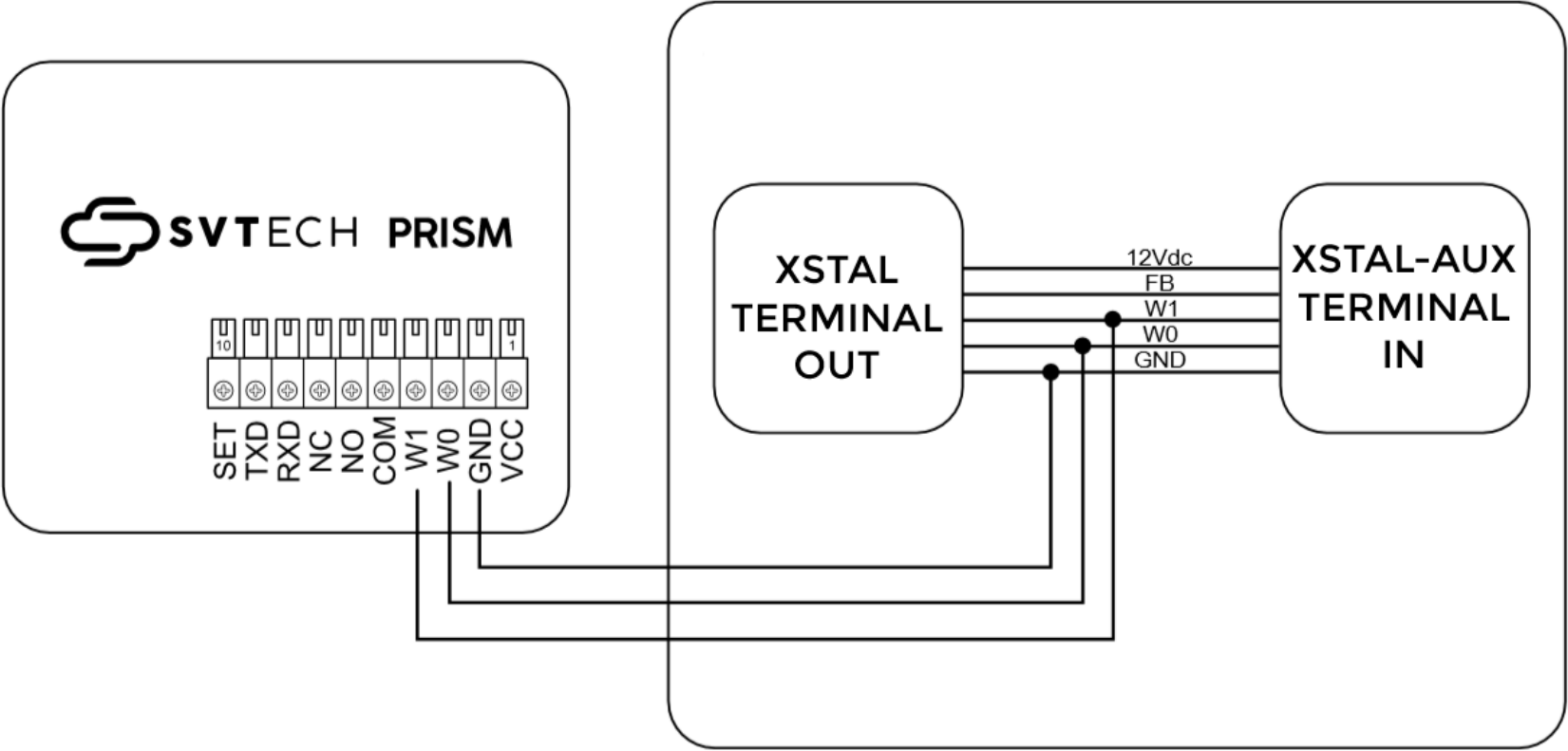
YALE e.m
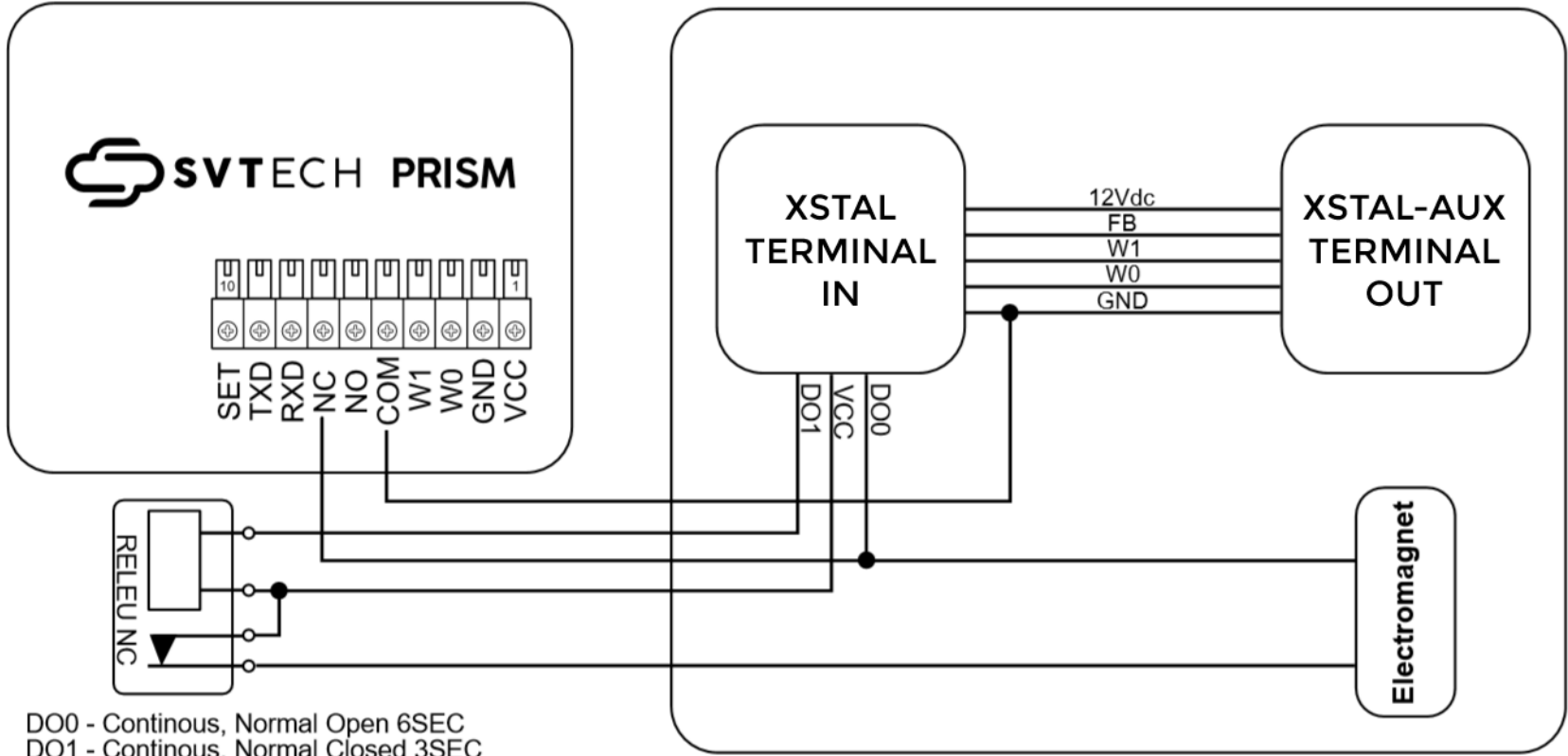
DO0 - Continous, Normal Closed 6SEC
DO1 - Continous, Normal Closed 3SEC
Terminal Mode TCPSP and Turniket

SVTech System with soft
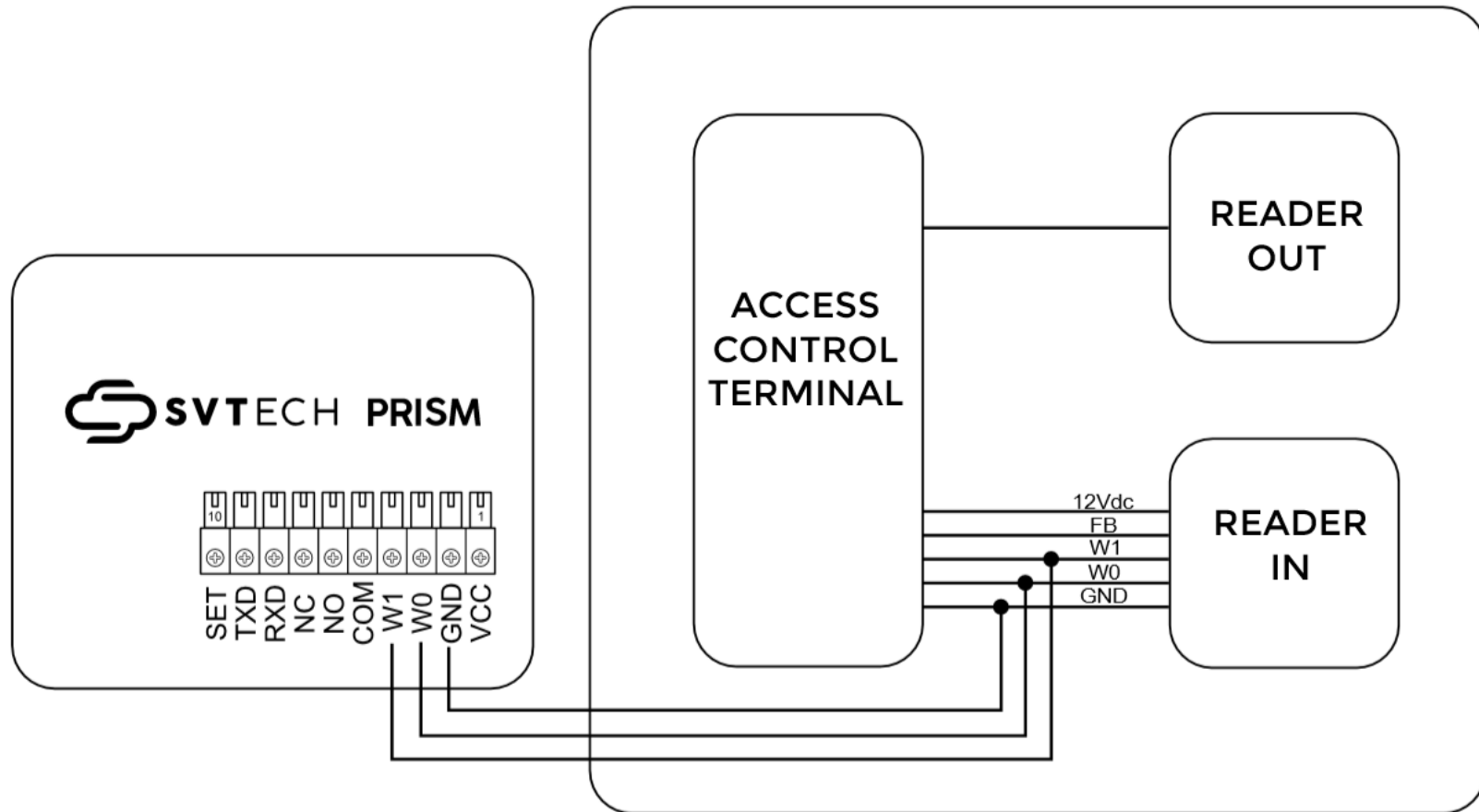
User Identifier System

PRISM

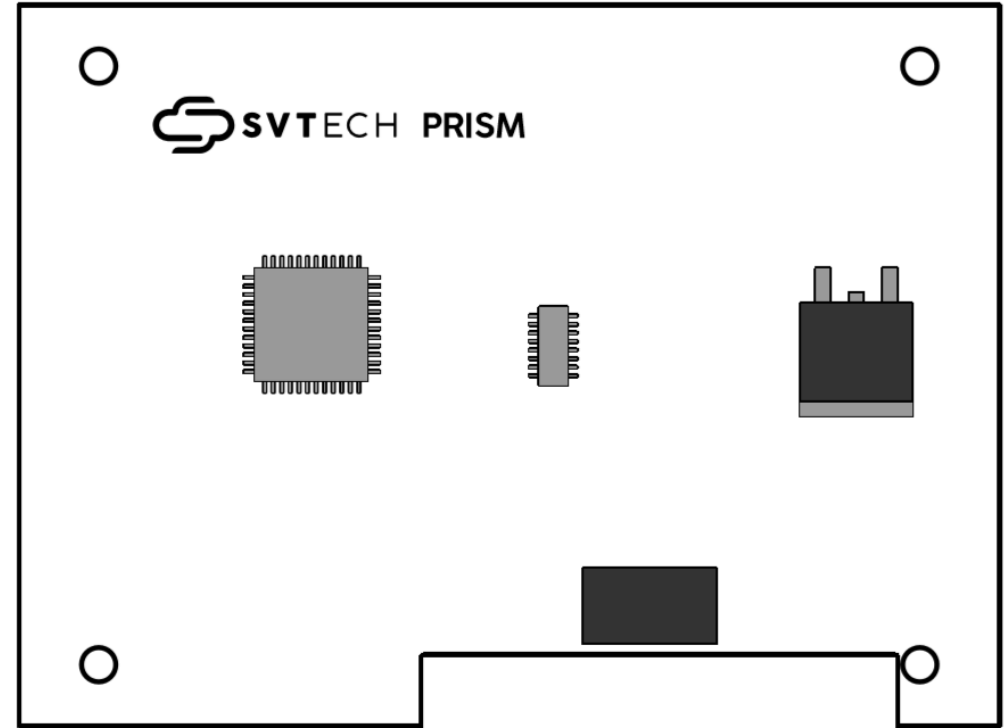# Technical Specifications

- Measuring range: 30 - 42° C

- Testing capacity: 10 pers/min

- Measuring distance: 10 cm

- Measuring time: 1 sec

- Accuracy: 0.2 C

- In case of suspicions sound and light warnings

- Power supply: 12 V dc, 1.5 A

- Protection rating: IP 20

- Connection with access card reader: W26

- Relay command output

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