

Product Test Guide

SC-SE-I8-AI1

21-07-2021

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|-------------------|--|
| Model Name | SENSOPER SC-SE-I8-AI1 |
| Product Type | Programmable Controller |
| Manufacturer | SENSOPER CONTROLS LLC |
| Country of Origin | Sri Lanka |
| Certifications | EN 61131-2:2007 EN 61010-1:2010+A1:2019 EN IEC 61010-2-201:2018 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C |

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Introduction

This guide is intended to test the features and the basic operation of the device, SENSOPER SC-SE-I8-AI1.



Features

- 24V Sink/Source Digital Inputs x 8
- 0-10V Analog Input x 1
- 3 Built-in Push Buttons

Table of Test Instructions

**Flash the test code firmware before testing the device. Follow the instructions given in the Guide to Flash the Test Code Firmware guide, to flash the binary code.

| Testing component/ feature | Test | Expected Output/Outputs |
|---------------------------------------|---|--|
| Power | Provide 24V DC supply. | <ul style="list-style-type: none">• The red LED inside the device glows. |
| Digital Inputs | <ol style="list-style-type: none">1. Power-up the device using 24V DC supply.2. Connect the device to the PC using a USB cable and check the serial monitor.3. Connect the GND & COM pins and supply the 24V DC to every digital input one by one. | <ul style="list-style-type: none">• In the input status, the status of all the 8 digital inputs will be 1.(As the inputs are internally pulled up)• The input status changes from 1 to 0, and the input side LED indicator will glow accordingly. |

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|----------------------|--|---|
| <p>Voltage Input</p> | <ol style="list-style-type: none"> 1. Power-up the device using 24V DC supply. 2. After powering up the device, to check the working of the analog (voltage) input, supply a voltage between 0-10V (10V max) to voltage input. <p>(Check this link for the wire connection)</p> | <ul style="list-style-type: none"> • Corresponding analog voltage step value is displayed. |
| <p>Push Buttons</p> | <p>Press the 3 push buttons, one at a time.</p> | <ul style="list-style-type: none"> • The 4 digit analog status of the push button is displayed accordingly. <p>***</p> <p>Analog status 1_ _ _ for the upper button</p> <p>Analog status 2_ _ _ for the middle button</p> <p>Analog status 3_ _ _ for the lower button</p> |