



*senseA*<sup>P1</sup>



## Introduction

- ***senseAPI*** is an industrial control equipment designed to control small sized screw and reciprocating compressors whose motor is driven by contactors.
- Working with a pressure sensor that can output 4-20mA, ***senseAPI*** can control all parameters and threshold values required for the compressor to operate in stable condition. In this way, it provides energy efficiency and help you minimize equipment and labor costs by collecting all indicators on the control panel.
- While ***senseAPI*** provide an efficient and legible display of all information displayed on the screen thanks to its color screen, it provides easy adjustment by all users with full language support.

# *Specifications;*

- Automatic and Continuous Working Modes
- 2.4 " color TFT LCD Screen 320x240 pixels
- Turkish and English full language support (All menus and warnings)
- Possibility to show the company logo at the opening
- Record of the last 15 alarm records with working hours
- 3 level authorization control (Factory, Operator and User)
- All parameters can be changed on the device
- 1 Pressure Sensor input
- 1 Temperature Sensor input
- 6 Maintenance Times
- Restart function in case power failure
- Remote Operation and Remote Load Control with digital inputs
- Warning in case of required maintenance
- Optional pressure drop and stop function when required maintenance
- Onboard Emergency Stop button

# Highlights

- Energy saving with Automatic Operation mode when there is no air consumption
- Display of the last 15 alarms with operating hours
- Remarkable display of all icons and messages thanks to the color LCD screen. No need for reference document as all messages are clearly displayed
- Opportunity to display company logo at the beginning of the color LCD screen
- Prevention of wrong configurations with authorization control at Factory, Operator and User level
- All parameters required for operation can be adjusted on the screen without the need for an extra PC or device.
- All timings, threshold values and parameters can be changed on the device
- Thanks to 6 separately adjustable service and part maintenance times, it provides easy tracking of service and maintenance times. (General Maintenance, Bearing Maintenance, Oil Change, Air Filter Change, Oil Filter Change, Separator Filter Change)
- Remote Operation and Remote Load control with the use of Digital Signal from different devices
- Active control of operating status thanks to 8 digital inputs

# Technical Features

## Supply Voltage

- 10 – 24 VAC
- 10 – 40 VDC

## LCD Screen

- 2.4" Color TFT-LCD 320x240 px.

## Interface

- 6 Push Buttons
- 2 Status LEDs
- 1 Emergency Button

## Digital Inputs

- 8 Adet Optho-isolated Digital Input
  - Emergency Stop
  - Engine Thermal
  - Seperator
  - Phase Sequence
  - Oil Filter
  - Fan Thermal
  - Remote Control
  - Backup / Remote Load

## Analog Inputs

- 1 Pressure Sensors (4-20mA)
- 1 Temperature Sensor (NTC / KTY)

## Outputs

- 4 250VAC/30VDC – 7A Relays
  - Line Contactor
  - Star Contactor
  - Delta Contactor
  - Solenoid

## Memory

- Non-volatile 4Kbyte memory for storing parameters

## Dimensions – *senseAPI*

- Panel
  - 144.5mm x 96.5mm x 35.5mm
- Mounting Range
  - 130mm x 82mm

## Mounting Type

- Fixing with Metal Screw

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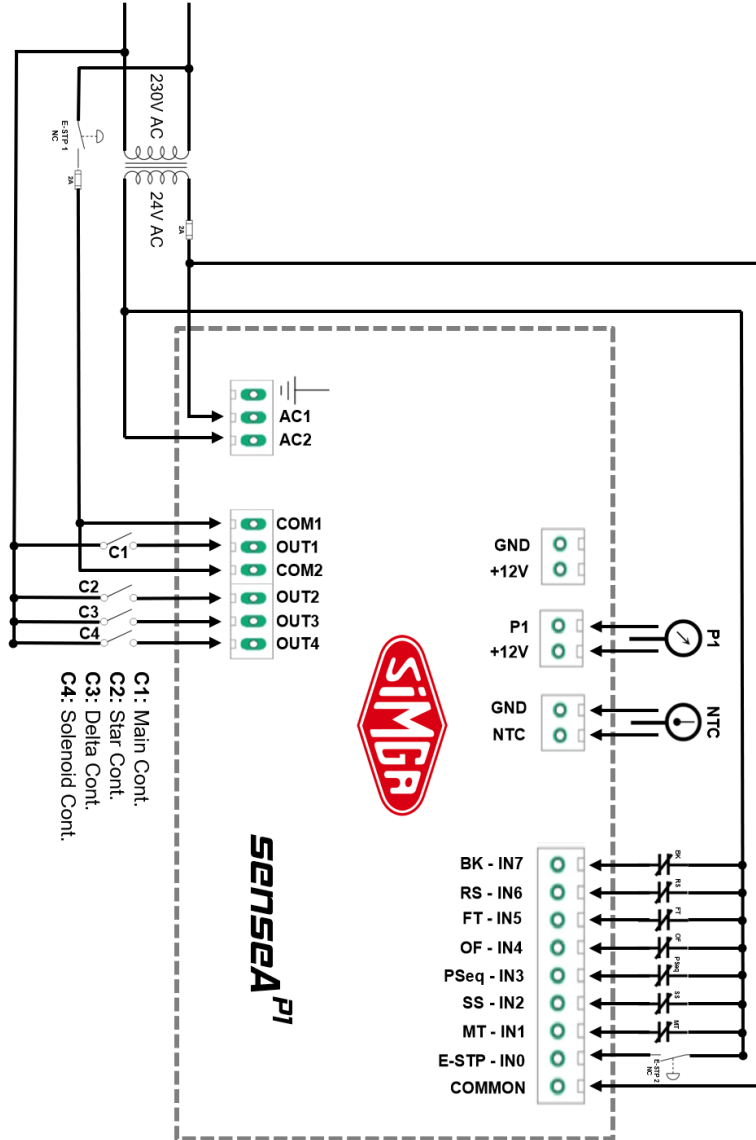
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C1: Main Cont.  
C2: Star Cont.  
C3: Delta Cont.  
C4: Solenoid Cont.

**SENSEA P1**

BK - IN7  
RS - IN6  
FT - IN5  
OF - IN4  
PSeq - IN3  
SS - IN2  
MT - IN1  
E-STP - IN0  
COMMON

E-STP - IN0: Emergency Stop  
MT - IN1: Motor Switch  
SS - IN2: Separator Switch  
Pseq - IN3: Phase Sequence Relay NC Contact  
OF - IN4: Oil Filter Switch  
FT - IN5: Fan Switch  
RS - IN6: Remote Start  
BK - IN7: Backup / Remote Load