## Cat No. 2SC3D11CC3 2SC3D11DC3 2SC3D11EC3 <br> CE

## Features:

- The Signal Transducer converts analog voltage and current signals into the analog voltage and current signals,
- It provides a 3-port galvanic isolation of 3.75 kV .
- Inputs and Outputs can be selected via DIP switch setting.
- Total 16 combinations of analog inputs and outputs are available.
- It is supplied in a standardized industrial housing, 22.5 mm wide, fo
- mounting on 35 mm symmetrical DIN-rail.
- All ranges are factory pre-calibrated also CUSTOM FIELD calibration is
potentiometer on front side of the product user accessible
- The auxiliary voltage is indicated by Power-ON green LED.
- Accuracy Class 1(As per IEC60688)


## Operation:

Process control and monitoring systems often utilize a large number of standard process signals; Voltage levels, current loops, temperature and it may be possible to exactly match each type of sensor to a controller, but even then it is not always cost effective to do so. signal transducer which is used to converts the standard selected analog signals in
voltage or current form to standard signal in voltage or current form in
The modes of input signa
( $0-10$ )VDC, ( $2-10$ )VDC, ( $0-20$ )mA, ( $4-20$ )mA
$(0-5)$ VDC, $(1-5) V D C,(0-20) \mathrm{mA},(4-20) \mathrm{mA} /$
( $0-10$ )VDC, $(2-10)$ VDC, $(0-10) \mathrm{mA},(2-10) \mathrm{mA}$ and modes of output signals are $(0-10) \mathrm{VDC},(2-10) \mathrm{VDC},(0-20) \mathrm{mA},(4-20) \mathrm{mA}$. DIP switches
are accessible from Front side of the Base which is used for selection of input - output configuration.
The selection has to done before making the Device power ON

## Function

- Linear process signal converter with galvanic isolation between input, - output and supply
- Offset/Gain zero adjustable on front panel.+/- 5\% for Offset \& +/- $10 \%$ for Gain.
1.Selection of DIP switch is important as per the output mode to get the proper output with said accuracy.
2.On DIP switch, SW No. 6 is NC and it should be always at OFF position


## Applications:

Sometimes the available signals from sensors or other devices cannot be processed by the controller or the actuator. In this case, signal transducers are required to convert the input signal (or different input signals) to the desired output signal. Also it is useful to use the product as output signal.

## Dip Switch Mode Selection:

| Mode | Input Voltage / Input Current |  |  | Output Signal |
| :---: | :---: | :---: | :---: | :---: |
|  | 2SC3D11CC3 | 2SC3D11DC3 | 2SC3D11EC3 |  |
| $\square \square$ | (0-10)V / (0-20)mA | (0-5)V / (0-20)mA | (0-10)V / (0-10)mA | (0-10) V |
| - | (0-10)V / (0-20)mA | (0-5)V / (0-20)mA | (0-10)V / (0-10)mA | (0-20)mA |
| -nロ" | (0-10) $\mathrm{V} /(0-20) \mathrm{mA}$ | (0-5)V / (0-20)mA | (0-10)V / (0-10)mA | (2-10) V |
| -man | (0-10) $/$ / $0-20) \mathrm{mA}$ | (0-5)V / (0-20)mA | (0-10)V / (0-10)mA | (4-20) mA |
| - $\square^{\text {²0 }}$ | (2-10)V / (4-20)mA | (1-5)V / (4-20)mA | (2-10)V / (2-10)mA | $(0-10) \mathrm{V}$ |
| - ¢". | (2-10)V / (4-20)mA | (1-5)V / (4-20)mA | (2-10) $\mathrm{V} /(2-10) \mathrm{mA}$ | (0-20)mA |
| - $\square_{\text {- }}$ | (2-10)V / (4-20)mA | (1-5)V / (4-20)mA | (2-10) $\mathrm{V} /(2-10) \mathrm{mA}$ | (2-10) V |
| -6.5. | (2-10)V / (4-20)mA | (1-5)V / (4-20)mA | (2-10) $\mathrm{V} /(2-10) \mathrm{mA}$ | (4-20)mA |

## Terminal Details:



Product Specifications:


## Note:

1. The technical information provided in this document is correct at the time of going to press. Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.
2. Only qualified persons are authorized to install the device
