

This compact plug-in signal converter connects with 3-wire type potentiometer, and provides DC voltage or current.
This converter has Isolator built-in and a burnout protection circuit as standard equipment
Features
$\star$ Zero \& span adjustment $\pm 10 \%$ full scale (Fine adjustment by 25 turn trimmer)
$\star$ Safe design by dielectric strength of 3000 Vac
$\star 5$ years warranty, long life
$\star$ CE approved
$\star$ Burnout protection circuit as standard equipment

## Ordering code



C: Out of Range, upper side resistance
D: Total resistance of a Potentiometer A procedure for adjustment, adjust Zero first,

* $1 \cdots$ CE approval do not adapt input range code 99 and output range code $S$ and then adjust the Span.
* $2 \cdots$ CE approval do not adapt when power supply is 10.8 Vdc to 30 Vdc .


## Specifications

| Input signal | 3-wire type potensiometer |
| :---: | :---: |
| Accuracy | $\pm 0.1 \%$ FS (at $23^{\circ} \mathrm{C}$ ) |
| Response time | Approx. 25ms ( 0 to 90\%) |
| Allowable load | Current output <br> First output : 15V or less of voltage drop between output <br> Second output:11V or less of voltage drop between output Voltage output <br> Load current 5mA or less <br> *1uA or less if the output is less than 1V FS |
| Span adjustment | 50 to $100 \%$ of rated input ( 25 turn trimmer) |
| Zero adjustment | 0 to $50 \%$ of span ( $\pm 20 \%$ for input 19) |
| Operating temperature | -5 to $+55^{\circ} \mathrm{C}$ |
| Operating relative humidity | 90\% or less (Non-condensing) |
| Temperature coefficient | $\pm 0.015 \%$ FS of span per ${ }^{\circ} \mathrm{C}$ |
| Burnout protection | Upscale / downscale *Please specify when you order for downscale |
| Isolation | Between input, output, and power supply |
| Insulation resistance | $100 \mathrm{M} \Omega$ or more with 500 Vdc megger <br> Between input, output, and power supply terminal |
| Dielectric strength | 2000Vac for 1 minute |
| Power consumption | Approx. 5.6VA (AC), Approx. 88mA (DC) |
| Power supply variation | $\pm 0.1 \%$ FS (within the range of rated voltage) |
| Dimensions | 84(H) X 29.5(W) X 106.5(D)mm |
| Weight | Approx. 150g |
| Structure | Plug-in (Body part and socket part) |
| Connection | M3 SEMS screw part of the base socket (Tightening torque $0.6 \mathrm{~N} \cdot \mathrm{~m}$ ) |
| Mounting | DIN rail or wall surface |
| Case color and material | Ivory, ABS resin, flame retardant grade UL94V-0 |
| EMC directive | EN61326-1, EN61010-1, EN IEC 63000 <br> Installation category: II, Pollution degree : 2 |
| Rated altitude | 2000 m or less |


| $\begin{array}{\|l\|l\|l\|l\|} \hline 0 & (3) & 2 & (1) \\ \hline \end{array}$ | No | Symbol |  | Description |
| :---: | :---: | :---: | :---: | :---: |
|  | 1 | INPUT | HIGH | Input |
| (6) (5) | 2 | OUTPUT-2 | $+$ | No. 2 Output |
|  | 3 | INPUT | SLIDE | Input |
|  | 4 |  | LOW |  |
|  | 5 | OUTPUT-2 |  | No. 2 Output |
|  | 6 | NC |  | No connection |
|  | 7 | OUTPUT-1 | + | No. 1 Output |
|  | 8 | NC |  | No connection |
|  | 9 | OUTPUT-1 |  | No. 1 Output |
|  | 10 | POWER | $\mathrm{U}(+)$ | Power Supply |
|  | 11 |  | V(-) |  |

[^0]* Specification is subject to change without notice


[^0]:    Demensions
    

    Unit: mm

