## Autonics DISPLAY UNIT <br> D1SC-N <br> INSTRUCTION MANUAL <br> 

Thank you very much for selecting Autonics products. For your safety, please read the following before using


## $\square$ Input Timing





H\{acimen
CLock
 OParallel input
$\bullet$ Positive logic(
(In)



## - Input Circuit



ONegative logic(SW1:ON)


## $\square$ Input Data Chart

| Indication |  |  |  | Negative input |  |  |  |  | Postitive input |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Minus |  | 7 Segment |  |  |  | B |  | Latch |  | c | B | A | Latch |
| $\begin{aligned} & \text { Hexa } \\ & \text { decima } \end{aligned}$ | Decimal | $\begin{aligned} & \text { Hexa } \\ & \text { decima } \end{aligned}$ | D |  | c |  |  |  |  |  |  |  |  |
| Blank | Blank | 0 | 0 | H | H | H | H | H | L | L | L | L | L |
| Blank | Blank | 1 | 1 | H | H | н | L | н | L | L | L | н | L |
| "- | - | ? | ? | H | H | L | L | H | L | L | H | L | L |
| - | - | $\ni$ | 3 | H | H | L | L | H | L | L | H | н | L |
| - | - | 4 | 4 | H | L | H | H | H | L | H | L | L | L |
| - | - | 5 | 5 | H | L | H | L | H | L | H | L | H | L |
| - | - | 5 | 5 | H | L | L | H | H | L | H | H | L | L |
| Blank | Blank | 7 | 7 | H | L | L | L | H | L | н | H | H | L |
| - | - | 㫜 | 8 | L | H | H | H | н | н | L | L | L | L |
| - | - | 9 | 9 | L | H | H | L | н | н | L | L | н | L |
| - | Blank | ${ }^{\text {¢ }}$ | Blank | L | H | L | н | H | H | L | H | L | L |
| - | Blank | b | Blank | L | н | L | L | H | H | L | H | н | L |
| Blank | Blank | $\tau$ | Blank | L | L | H | н | H | H | н | L | L | L |
| - | Blank | ${ }^{\circ}$ | Blank | L | L | H | L | н | н | H | L | н | L |
| - | Blank | E | Blank | L | L | L | H | H | H | H | H | L | L |
| - | Blank | F | Blank | L | L | L | L | H | H | H | H | H | L |
| HoLD |  | HOLD |  |  | $x$ | $\times$ | $\times$ | L | $\times$ | $\times$ | $\times$ | $\times$ | H |
| ※"X" : Don't care,**- : Minus indication ※In case of indicating minus(-), JP1 must be OFF |  |  |  |  |  |  |  |  |  |  |  |  |  |

## - Unit Description and Fucntion Setting




## - Data Input Method for Serial

## Single input method -4Bit Data input(SW2-®: <br> SW2-@.OFT SW2-@:OFF,



成
B B B B

## - Multi-stage Connection Method


*CN1 terminal can use instead of CN2, because CN2 corresponds to CN .

- Dynamic connection(Zero blanking method) : Adigit


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$\frac{10}{\frac{1}{1000000000}}$

SW2-®:ON, SW2-®:ON, SW2-®:ON) S-®:ON, SW


-In case of indicating "10"
DP indication for 4Bit serial data innut

- Positive logic input: DP input terminal which is going to indicate PP connects with vcc.
-Negative logic input: PP input terminal which is going to indicate DP conects will DP indication for 5 Sit serial data input
-Please input PD data with serial data. (DP data is highest-rank Bit among 5 Bit) Sease tinu Dectian example
- Input mode: Negative logic of



$\stackrel{+1}{n}$
- Data is recorded when clock changes from high to low.
In negative logic, data is read while Latch signali is held at tigh, but datat is held when it change to oow.


## Cautions during Use

## Follow instructions in 'Cautions during Use'. Othewise, It may cause unexpected accidents .

21-24VCD power supply should be insulated and linited voltage/current or Class 2, SELV power
supoly device
the power.
Keepe way from high voltage lines or power lines to prevent inductive noise
In case instal
In case instilling power line ind ines or powever ines top revevent inductive nise.
shieldee wire a t input signal line.
This unit may be used it the following enenviraonments.



## $\square$ Main Product



