

XHow to change settings

Power OFF \rightarrow change settings \rightarrow power ON \rightarrow press $\boxed{\textbf{RST}}$ key or input signal (min. 20ms)

descriptions (catalog, homepage).

Counter Mode (MD key: Moves the settings, ⊌, key: Changes the settings) Ж[оUn: Counte [oUn ← → tiñE El ñE: Timer Ud-[←→ UP ←→ UP- 1 ←→ UP-2 ←→ dn ←→ dn- 1 ←→ dn-2 ←→ Ud-R ←→ Ud-b Input mode is UP, UP-1, UP-2 or dn, dn-1, dn
F ← → n ← → E ← → P ← → P ← → P ← → P Input mode is Ud-R. Ud-b. Ud-E "If max. counting speed is 5kcps, and output mode is d, max. counting speed is automatically changed as 30cps, factory default. In case of the indicator

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*In case of the indicator type, [d5P.ñ] is displayed. XIt is the added function to set the preset value when HoLd ← → totAL selecting HoLd.

*Max. counting speed is when duty ratio of INA or INB input signal is 1:1. It is applied for INA, or INB input as same. Max. counting 30 ← > 12 ← > 52 ← > 102 ← > 1 one among 1cps, 30cps, or 1kcps.

**Set one-shot output time of OUT2. XSetting range: 00.01 to 99.99sec.
 XWhen input mode is F, n, 5, E, d, o UE ≥ does not appear. (fixed as HOLD)
 XSet one-shot output time of OUT1. XSetting range: 00.01 to 99.99sec., Hold. \times Setting range: 00.01 to 99.99sec. \times When input mode is F, n, 5, b, d, d dbb does not appear. (fixed as HOLD) • 6-digit type *Decimal point is applied to counting value and setting value 1 ← → 20, unit: ms *Set min. width of external reset signal input. Pn: No-voltage input, PnP: Voltage input Check input logic value (PNP, NPN). 6-digit type ※Decimal point of prescale should not 7···↔ ······ ↔ ······ set smaller than decimal point [dP]. Setting range of prescale value 6-digit type: 0.00001 to 99999.9, 4-digit type: 0.001 to 999.9

Setting range (linked with decimal point [dP]):
6-digit type: 0.00001 to 999999, 4-digit type: 0.001 to 9999 *When input mode is dn, dn-1, dn-2, start point value does not appear.

*CLr: Resets the counting value when power OFF. rEI: Maintains the counting value when power OFF. (memory protection)

**XLoFF: Unlock keys, key lock indicator turns OFF L.oFF ← ► L o [. 1 Key lock

[LoLY] Locks [RST] key, key lock indicator turns ON

LoL3 Locks [RST] key, key lock indicator turns ON

LoL3 Locks [RST], [K], [A] keys, key lock indicator turns ON

*1: For 1-stage preset model, of L I does not appear. The output time of of LE2 is displayed as of LE2. ※2: Decimal point and prescale decimal point Decimal point: Set the decimal point for display value regardless of prescale value.
 Prescale decimal point: Set the decimal point for prescale value of counting value regardless of decimal point of display value. INA H TO TO TO TO INB is no counting input. When INB is counting input, INA is no counting input. 99999 rising (上), it counts. No counting XINA: Counting input INA L When INA input signal is falling (L) , it counts. XINA: Counting input ※INB: No counting input INA HATALAN When INA is counting input. INB is no counting input. When INB is counting input, INA is no counting input. INA H TO TO TO rising (_**f**_) , it counts. n n-1 n-2 No counting XINA: Counting input INA H When INA input signal is ※INB: No counting input INA HATTO ATO TO TO INB: Counting command *When INB is "L", counting counting command is down .

**INA: Up counting input INA H TO FO FO INB: Down counting input When INA and INB input 3 2 2 3 signals are rising (<u> f</u>) at the same time, it maintains previous counting value.

When connecting encoder output A, B phase with counter input, INA. INB. set different input [Ud-[] for counter operation. *1: For selectable no-voltage input (PNP) , ON OFF ON OFF voltage input (NPN) model. *A: over min. signal width, B: over than 1/2 of (INB) L_ T.on T.off T.on, T.off: Min. signal width min, signal width. If the signal is smaller than these width, it may cause counting error (±1). Counting speed Min. signal width (NPN) 1kcps 5kcps This function is to set and display calculated unit for actual length, liquid, position, etc. It is called "prescale value" for measured length, liquid, or position, etc per 1 pulse. For example, when moving L, the desired length to be measured, and P, the number of pulses per 1 revolution of a rotary encoder, occurs, prescale value is LIP. E.g.) Positioning control by counter and encoder [Diameter (D) of pulley connected with encoder= 22mm, the number of pulses by 1 rotation of encoder=1.0001 *Prescale value = π × Diameter (D) of pulley The number of pulses by 1 rotation of encoder 3.1416 × 22 1000 Motor control system = 0.069mm/pulse Set decimal point[dP] as [-----], prescale decimal point [5LdP] as [-----], prescale value [5LL] as [0.059] at function setting mode. It is available to control conveyer position by 0.1mm unit. Factory Default 6-digit type: - .- - -4-digit type: - .- - -

6-digit type: 1.00000 SCL 4-digit type: 1.000 BULZ(BULL) Hold (fixed) 6-digit type: 0.00 /s-999.999s oUt2(oUt.t) 4-digit type: 0.00 1s-9.999s

Error Display and Output Operation Error description
Setting value is 0. Change the setting value anything but 0. When error occurs, the output turns OFF. When 1st setting value is set as 0 (zero), OUT1 maintains OFF.

When 2nd setting value is smaller than 1st setting value, 1st setting value is ignored and only

Cautions during Use

Follow instructions in 'Cautions during Use'. Otherwise, It may cause unexpected accidents.
 2. 24-48VDC, 24VAC power supply should be insulated and limited voltage/current or Class 2, SELV

power supply device.

3. Use the product, 0.1 sec after supplying power.

When supplying or turning off the power, use a switch or etc. to avoid chattering.
 Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the

OUT 2 (OUT)

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■ Photoelectric Sensors
■ Fiber Optic Sensors
■ Temperature Controllers
■ Temperature/Humidity Transducers Fiber Optic Sensors
Door Sensors
Door Sled Sensors
Area Sensors
Pressure Sensors
Pressure Sensors
Counters
Protainty Sensors
Pressure Sensors
Pressure Sensors
Connector/Sockets
Connector/Sockets
Control Switches/Lamps/Buzzers
I/O Terminal Blocks & Cables
Stepper Motors/Drivers/Motion Controllers
Graphi(Logic Panels

Autonics Corporation ■ HEAD QUARTERS:

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