

JUXTA D Series

General Specifications

Model DQO
Analog/Pulse Transmitter

JUXTA

1. General

This DCS correspondence nest stored type transmitter converts DC voltage and current signals to pulse train signals.

- Incorporation of one-chip microcomputer provides high efficiency and superior performance.
- Changing of range, setting of output pulse width and low output cut point, adjustment of zero/span and I/O monitoring can easily be made even in the field by handy terminal.
- Output signal is open collector.

2. Specifications

Input & Output	
Input signal	4~20mA DC or 1~5V DC
Input resistance	1~5V DC, 1M Ω (100K Ω when power off), 4~20mA DC (250 Ω)
Output signal	$F_o \sim F_{100}$ Hz $0 \leq F_o \leq F_{100}/2$ $0.001\text{Hz} \leq F_{100} \leq 1000\text{Hz}$ F_o : 0% output frequency F_{100} : 100% output frequency
Zero point adjustment range	$\pm 10\%$ of span (input adjust)
Span adjustment range	$\pm 10\%$ of span (input adjust)
Output format	Open collector
Permissible maximum load	Open collector 30V DC, 200mA DC
Standard Performance	
Accuracy rating	$\pm 0.1\%$ of span
Response speed	150ms (100Hz span or more), 1.5 sec. (100Hz span or less) 63% response (10~90%)
Insulation resistance	100M Ω or more (at 500V DC) between output~input, output~power supply and input~power supply
Voltage withstand	1500V AC/minute between output~input, output~power supply 500V AC/minute between input~power supply
Ambient temperature and humidity	Normal operating condition : 0~50 $^{\circ}$ C, 5~90% RH Operating limit : -10~60 $^{\circ}$ C, 5~95% RH Storage condition : -10~70 $^{\circ}$ C, 5~95% RH (no condensation)
Power supply voltage	24V DC $\pm 5\%$ (ripple content 10% p-p or less)
Effect of power supply voltage fluctuation	$\pm 0.1\%$ or less of span per 24V DC $\pm 10\%$ fluctuation
Effect of ambient temperature change	$\pm 0.2\%$ or less of span per 10 $^{\circ}$ C temperature change
Current dissipation	24V DC 60mA
Mounting & Dimension	
Boards	Both sides glass-epoxy
Mounting method	Store in exclusive nest (signal-power supply be connected through back board and connector)
Wiring	External wiring : Connect to terminal M4 screw of input/output of exclusive nest. Connection to I/O card: By exclusive cable (connector)
External dimension	130.6 X 23.6 X 126mm (HxWxD)
Weight	About 120g
Accessories	
Tag number label ... 4	Range label ... 4

DQ0-□1N*A

TYPE

INPUT SIGNAL

A : 4~20mA DC
6 : 1~5V DC

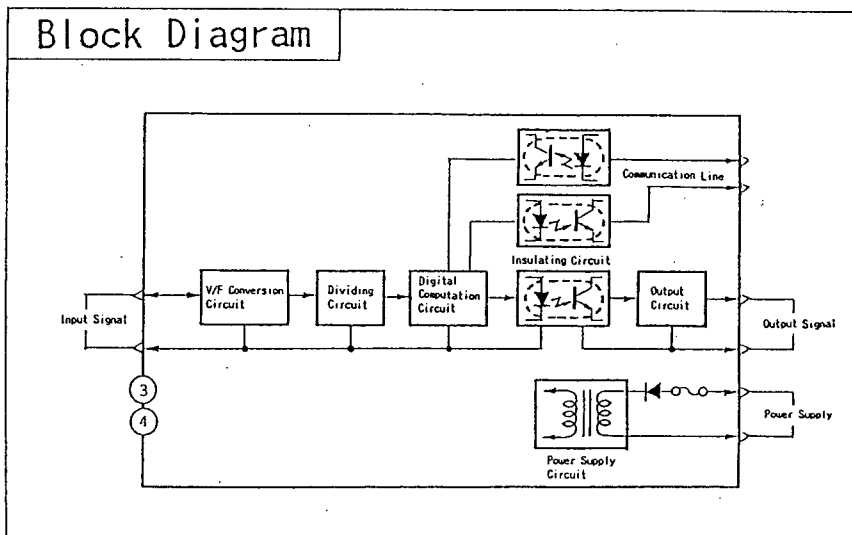
OUTPUT SIGNAL

1 : Open Collector

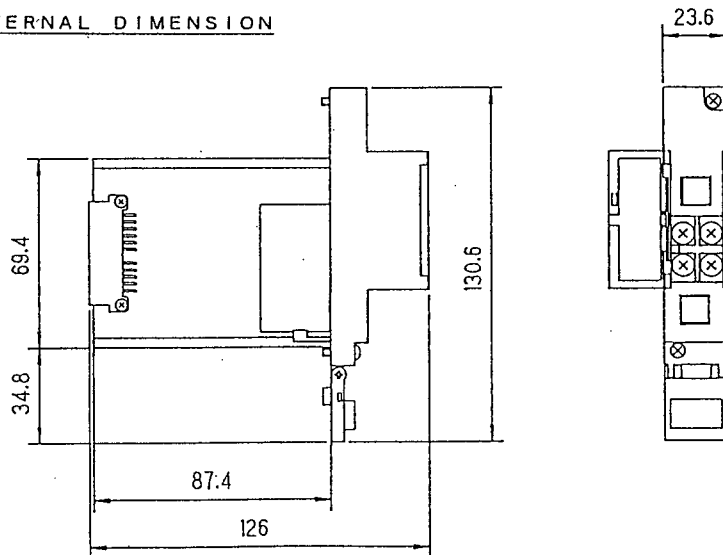
POWER SUPPLY

24V DC±10%

ORDERING INFORMATION
(Example) Type Code : DQ0-61N*A
Output Frequency : 0~100Hz
Low Output Cut Point : 0.02Hz
(0.0001Hz when not specified)
Pulse Width Fixed : 50ms



EXTERNAL DIMENSION



Unit : mm

Subject to change without notice for grade up quality and performance