

JUXTA D Series

General Specifications

Model DB1
CT Transmitter

JUXTA

1. General

This DCS correspondence nest stored type transmitter converts AC current signals of CT output, etc. to various current or voltage signals.

- AC/DC conversion is made by root mean square.

2. Specifications

Input & Output	
Input signal	0~1A AC or 0~5A AC
Input loss	0.5VA or less
Input frequency	40Hz~10KHz
Permissibl over-input	200% (continuous), 500% (1 minute)
Ch1 output signal	1~5V DC
Ch2 output signal	DC voltage or current signal (In case of current output, output is only available either from front terminal ③~④ or connector)
Zero point adjustment range	±5% of span
Span adjustment range	±5% of span
Standard Performance	
Accuracy rating	±0.5% of span
Response speed	250ms 63% response (10~90%)
Insulation resistance	100MΩ or more (at 500V DC) between input~output, input~power supply and output~power supply
Voltage withstand	2600V AC/minute between input~output, input~power supply 500V AC/minute between output~power supply
Ambient temperature and humidity	Normal operating condition : 0~50° C, 5~90% RH Operating limit : -10~60° C, 5~95% RH Storage condition : -10~70° C, 5~95% RH (no condensation)
Power supply voltage	24V DC±10% (ripple content 10% p-p or less)
Effect of power supply voltage fluctuation	±0.1% or less of span per 24V DC±10% fluctuation
Effect of ambient tempearture change	±0.2% or less of span per 10° C temperature change
Current dissipation	24V DC 90mA(4~20mA DC), 60mA(1~5V DC)
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 M4 screw of front terminal of transmitter. (Cannot connect to I/O terminal 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

