

Amplifier unit that can perform calculations and CC-Link communication

Up to two displacement sensors can be connected

- Features a clear organic EL display
- Can also display in Japanese

FASTUS is a product brand of Optex FA.



Selection table

Туре	Supported displacement sensor	Supported communication unit	Master/slave unit	Model
Displacement sensor	•CD22 series (RS-485 type) •CDX series • P.438, P.464	CC-Link communication unit UC1-CL11 (only for CD22 series) • P.118	Master unit	CDA-M
amplifier unit			Slave unit	CDA-S

Options/Accessories

Displacement sensor/amplifier connection cable



DSL-1204-G02M Cable length: 2 m Robot cable specification

Extension cable

DSL-0804-G02M

Cable length: 2 m Cable length between sensor and amplifier can be extended to 4 m by connecting to DSL-1204-G02M. Robot cable specification

DSL-0804-G05M

Cable length: 5 m Cable length between sensor and amplifier can be extended to 7 m by connecting to DSL-1204-G02M. Robot cable specification

Displacement sensor amplifier unit CDA series

Features

Calculation function

Up to two can be connected to the CDA series. High-speed calculation of thickness and height differences can be performed with one amplifier unit.

CC-Link connection

By connecting to UC1 series communication unit, CD22 series can be connected to CC-Link.

Monitoring of measurement values and remote monitoring of sensors can be performed easily.



Sensors can be operated through CC-Link communication using Mitsubishi Electric's GX Works2 which supports Mitsubishi iQ Sensor Solution (iQSS).





Model information and no. of connected units are detected automatically
Reading, writing, monitoring and backing up of set sensor values is possible

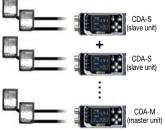
System configuration

CDA only

When using CDA as stand-alone



When CDA is linked

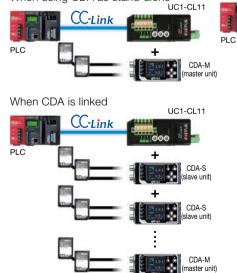


CDA+UC1 (Not for CDX)

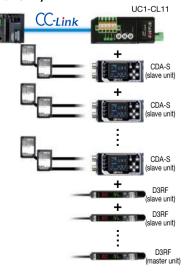
Thickness

Height difference

When using CDA as stand-alone



CDA + UC1 + D3RF (Not for CDX)



Photoelectric Sensors



Laser Dis<u>p</u>lacement

Control Unit

CDX CDA LS CD22 CD33 CD4 CD5 UQ1-01 UQ1-02

Got Questions? 1-800-280-6933

Photoelectric Sensors

Specialized Photoelectric Sensors

> Laser Displacement Sensors

Control Unit

CDX

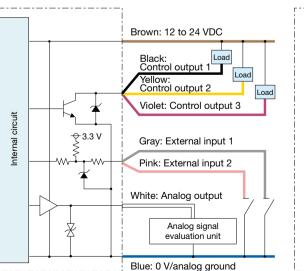
CDA LS CD22 CD33 CD4 CD5 UQ1-01 UQ1-02

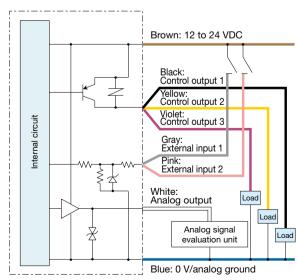
Specifications

Model			Master unit	Slave unit	
		bdel	CDA-M	CDA-S	
		No. of connectable units	Max. 2 units of CD22 or CDX series (Connectable model of CD22 series: CD22-DD-485M12)		
		Connection type	Amplifier side: M8, 4-pin connector / Sensor side: M12, 4-pin connector		
No. of connectable units (including master unit)			Max. 8 units		
୍ର <u>ମ</u> ି Supply v		voltage	12 to 24 VDC ±10%, including 10% ripple (p-p)	Supplied from master unit or UC1 series*	
DescriptionSupply voltageCurrent consumption		consumption	100 mA or less (at 12 VDC)		
Dot matrix display		trix display	Organic EL panel 128 × 96 pixels		
Indicators		ors	Power indicator: Red/Green, Output indicator 1 to 3: Orange		
Analog current output		ent output	4 to 20 mA/F.S. Load impedance 300 Ω or less		
Control output		ut	NPN/PNP open collector (selectable by setting) 3 output max. 100 mA / 30 VDC, Residual voltage: 1.8 V or less		
External input		ut	2 inputs		
Connection type		type	Cable type: Cable: 2 m (ø5.8)		
	Ambient temperature/humidity		-20 to +50°C / 35 to 85% RH (no freezing or condensation)		
Storage ter		mperature/humidity	-20 to +60°C / 35 to 85% RH (no freezing or condensation)		
Environr resista	Vibration resistance		10 to 55 Hz; double amplitude 1.5 mm; 2 hours in each of the X, Y, and Z directions		
	Shock resistance		Approximately 50 G (500 m/s ²), 3 times in each of the X, Y, and Z directions		
	Protection circuit		Reverse connection protection		
	Degree of protection		IEC standard, IP50		
Material			Polycarbonate		
Weight			170 g		

*Supply 12 to 24 VDC to power wires (brown/blue) to be used for the supply voltage of the CD22 series.

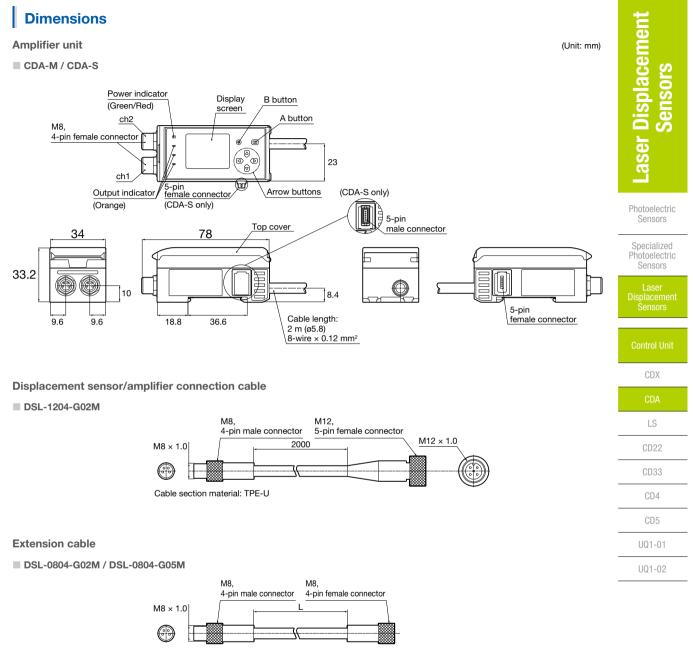
I/O circuit diagram With the NPN setting





With the PNP setting

Displacement sensor amplifier unit CDA series



Cable section material: TPE-U

DSL-0804-G02M: L = 2000, DSL-0804-G05M: L = 5000



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