UDL100

Universal Data Logger
USERS' GUIDE

+C1	–C1	+C2	–C2	+C3	–C3	+C4	–C4	+C5	–C5

Input 1 · Input 2 · Input 3 · Input 4 · Input 5

PRODUCT CODE

UDL100-

Analog Input Type:
2 = -75...+75mV
3 = -15V...+15V
4 = -30mA...+30mA
5 = Thermocouple (B,E,J,K,L,N,R,S,T,U)

DEVICE DESCRIPTION

UDL100 devices are used to make log of analog signals by converting them to digital signals. These devices are configured with the help of computer.

DaLi 08 is a free software which is used to make log on computer is supplied by our firm.
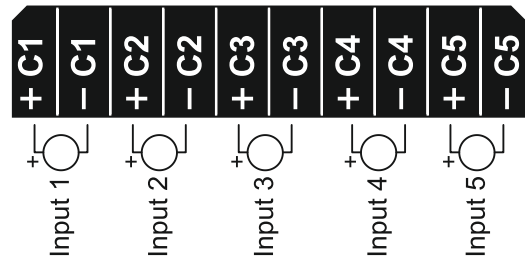
All inputs are isolated from eachother and also from the USB line.

TECHNICAL SPECIFICATIONS

Supply Voltage	Over USB Line (5Vdc ,+/- 5%)
Power Consumption	1W
Analog Input Impedances	Voltage : 2MΩ
	Current : 10Ω
	Thermocouple, mV : 10MΩ
Memory	100 years, 100.000 renewals
Accuracy	+/- %0.2
Sampling Period	750ms
Environment Temperature	Operation : -10...+55C · Storage : -20...+65C
Protection	IP20
Dimensions	Width : 72mm · Height : 112mm · Depth : 26mm
Weight	87gr

Sensor Type	Standard	Temperature Range (°C)	Temperature Range (°F)
Type-B Thermocouple (Pt%18Rh-Pt)	IEC584-1	60, 1820	140, 3308
Type-E Thermocouple (Cr-Const)	IEC584-1	-200, 840	-328, 1544
Type-J Thermocouple (Fe-Const)	IEC584-1	-200, 1120	-328, 1562
Type-K Thermocouple (NiCr-Ni)	IEC584-1	-200, 1360	-328, 2480
Type-L Thermocouple (Fe-Const)	DIN43710	-200, 900	-328, 1652
Type-N Thermocouple (Nicrosil-Nisil)	IEC584-1	-200, 1300	-328, 2372
Type-R Thermocouple (Pt%13Rh-Pt)	IEC584-1	-40, 1760	104, 3200
Type-S Thermocouple (Pt%10Rh-Pt)	IEC584-1	-40, 1760	104, 3200
Type-T Thermocouple (Cu-Const)	IEC584-1	-200, 400	-328, 752
Type-U Thermocouple (Cu-Const)	DIN43710	-200, 600	-328, 1112

SAFETY PRECAUTIONS

- Before using the device, please read the warnings below and this guide carefully. The accidents or damages resulting from not following the warnings included in this guide are under user's responsibility.

- Do not allow metal fragments or lead wire scraps or liquid matters to fall inside this device. Otherwise fire or electrical shck may happen.

- Sensor and signalling cables should not be routed close to the power cables or inductive load cables.

- Configuration settings at factory out should be changed according to the user's preferences. The accidents and damages resulting from incorrect configuration settings are under users' responsibility.

- Never disassemble, repair and modify the device. These should be carried out by authorized service.