

INDUSTRIAL DATA LOGGER

Model No: LOG-DT100

DATA SHEET



Item	Information
Name	4 Channel Data Logger
Base Product	Data Logger LOG-DL100
Document Type	Data Sheet
Document Revision	Rev. 1.0



Overview

The LOG-DL100 combines display, keypad, communication, data logging, and IoT functionality into a single panel-mounted data logger platform. It is intended to simplify monitoring and data logging applications while providing local operation and remote visibility.

Features, Applications and Technical Specifications

Feature Highlights

- 7 Segment Digital graphical display with 7-key navigation interface
- Real-time monitoring and data logging
- Integrated alarm and event management
- Configurable input/output architecture
- Industrial RS485 communication with Modbus RTU support
- Ethernet connectivity through WAN Port
- Cloud Connectivity (optional)
- Firmware Over-the-Air (FOTA) updates
- Password-protected configuration access
- Industrial panel mount design
- IP65 front protection
- Designed for continuous industrial operation

Application Areas

- Industrial automation
- Cold storage and refrigeration
- Pharmaceutical facilities
- Food processing plants
- Water and wastewater systems
- Building management systems
- Environmental monitoring
- Agriculture and greenhouses
- Utility monitoring
- Industrial IoT applications

Technical Specifications

Parameter	Value
Supply Voltage	24 VDC, < 10 W
Display	7 SEGMENTDIGITAL
Communication	1 x RS485, 1 LAN Port, 1 WAN Port
Wireless Connectivity	External antenna for supported wireless / cloud connectivity
Mounting	Panel mount
Front Protection	IP65
Dimensions (W x H x D)	96 x 96 x 70 mm
Panel Cutout	92 x 92 mm
Operating Use	Indoor industrial panel installation

Product Images and Mechanical Drawings

Dimensional Drawing

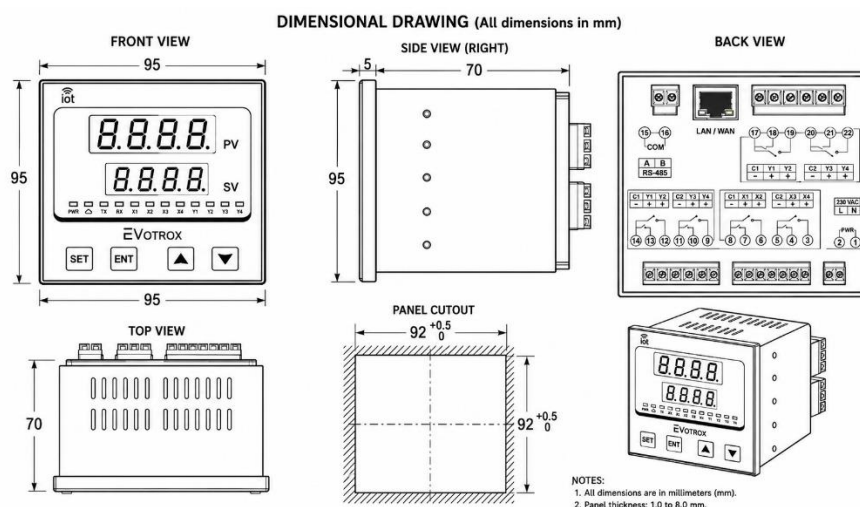


Figure: Dimensional drawing and panel cut-out

Ordering Information

Ordering format: **LOG-DL100 - 4A1 - X1 - Y2 - E1 - F101**

Code Segment	Description
LOG-DL100	Data logger platform
4A1	Four AI-IV modules / 8 analog input channels
X1	2-channel digital input card
Y2	2-channel relay output card
E1	IoT card / EdgeLink-100
F101	Ammonia leak detection firmware code

Card Variants

Code	Title	Description
X1	DI Card - 2CH	2 Ch Opto-Isolated Digital Input
Y1	DO Card - R1CH	1 Ch Relay Output
Y2	DO Card - R2CH	2 Ch Relay Output
Y3	DO Card - T2CH	2 Ch Transistor Output
A1	AI Card - IV	2 Ch Configurable Active Analog Input: 0-1 V, 0-5 V, 0-10 V, 0-20 mA, 4-20 mA
A2	AI Card - RMV	1 Ch Configurable Passive Analog Input: NTC Thermistor (10K), PT100, PT1000, CU50, T/C (J, K, R, S, T)
A3	AO Card - 2CH	2 Ch Analog Output: 0-20 mA, 4-20 mA
I1	GSM Card	GSM / 4G Module for Cellular Network
E1	IoT Card (EdgeLink-100)	IoT Card for Cloud Network Connectivity and IoT Application
L1	Lan Card	Lan card for Internal Network

Contact Information

Company	Details
Brand	EVOTROX
Location	Ahmedabad, Gujarat, India
Mail Us	support@evotrox.com
Website	www.evotrox.com