

DIAM - 151KK

DIGITAL PANEL METER WITH BAR-GRAPH INDICATOR

Features

- Loop Powered
- 51 segment Bar-Graph
- 4 to 20 mA Input
- 96mm X96mm DIN Standard or 2" Pipe Mounting.
- LED Display with Tricolor Bar-graph

Description

Electronet series DIAM 151KK is a Loop Powered Tri-color Bar-Graph Indicator specially designed for various industrial applications. These indicators can be used for monitoring various parameters like Temperature, Pressure, Flow, Level, etc. The indicator is powered from the 4-20 mA loop signal. The signal indication is displayed on LED display as well as on the 51 segment tri-colour bar-graph. The range is programmable through front fascia. The voltage drop across the loop terminals is approximately 3.6V DC.



Technical Specifications

Performance Characteristics

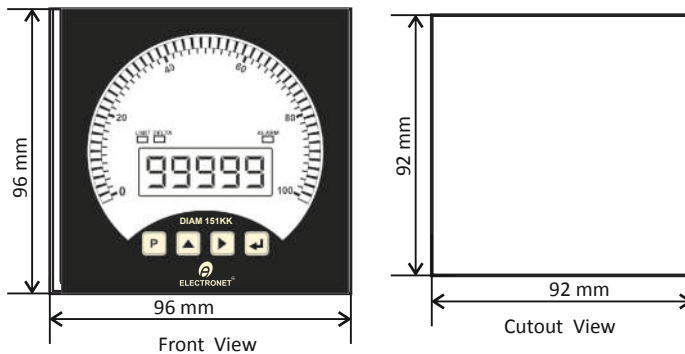
Bazel Size	96 mm x 96 mm (In case of Panel Mount)
Input	4-20 mA DC, 2-Wire
Display	LED Display
Bar-Graph	51 Tri-color LED for Bar-Graph
Accuracy	± 0.1% of F. S.
Power Supply	24V DC Two Wire Loop Powered
Alarm Relay Output	One Open Collector Alarm Output / Two Open Collector Alarm Output
Response Time	Less than 500 mSec
Enclosure	DIN Standard
	Weather Proof IP 65
	Flameproof (CMRI IIA IIB Certified)
Enclosure Material	MS Powder Coated / Aluminum Die-Cast
Mounting Location	Flush of the Panel / 2" Pipe Mounting (Field)
Ambient Temperature	-20 to 70 °C
Relative Humidity	5 to 95 Rh at 35°C non condensing
Termination	Through Strippable Connector
Set Point Indication	Through orange LED, this LED starts blinking when process value crosses the set point.
Diagnostics	1) Shows 'UNDER' message when input is below 3.85 mA.
	2) Shows 'OVER' message when input exceeds 21.8 mA.
	3) If input fuse blows up, then the fuse blown LED will be 'ON'.

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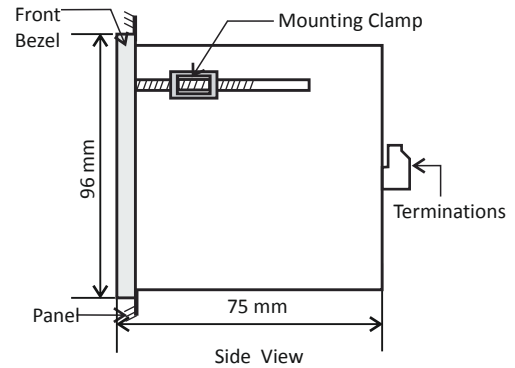
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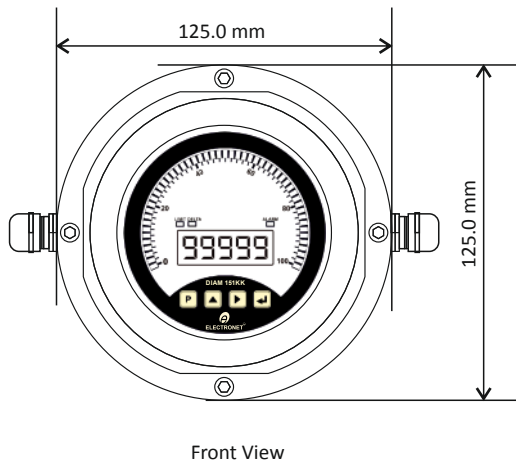
Assembly Overview



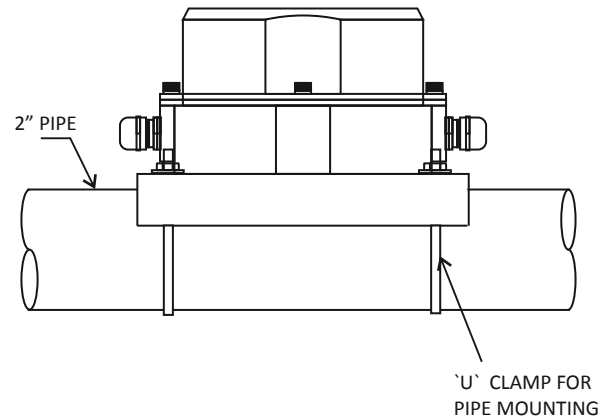
Installation Drawing-Panel Mounting



Assembly Overview



Installation Drawing-Pipe Mounting



Ordering Information

Sample Order Code : DIAM151KK-A1-B1-C1-D1

Parameter		Code	Description
A	Electronics Enclosure	A1	DIN Standard
		A2	Weather Proof (IP 65)
		A3	Flameproof (CMRI IIA IIB Certified)
B	Power Supply	B1	24V DC Loop Powered
		B2	24V DC
C	Number Of Alarm Output	C1	1 Relay Output
		C2	2 Relay Output
		CX	NA

Parameter		Code	Description
D	Alarm Output Type	D1	Open Collector
		D2	Potential Free Relay Output
		D3	PNP Output

Note :

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- This product is meant for laboratory/Process application only and not for custody transfer application.

ELECTRONET EQUIPMENTS PVT. LTD.



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