ALIAPANEL

Paperless Recorder

Model ARC800 Series

GENERAL

ALIAPANEL ARC800 Series Paperless Recorder features the most advanced technology. It can be applied across a broad scope of industrial applications. ARC800 is the product which with multi-channels, complete functions, easy operation, high accuracy,low power but high performance. And the series overcome the old-fashioned paperless recorder, which has less channels, multiple installation and space-consuming problem.

FEATURES

- DIN Size (96mm*96mm), 320*240 Pixels, TFT truecolor (LCD)
- 4MB memory installed inside, applied to long terms data record
- Common input signal: mA, Include VDC, T/C, RTD, Hz etc.
- High Accuracy +/-0.15% of Reading
- 2 relay outputs, 1 analog output (4-20mA),1 (24VDC) power supply output
- 4 channels Max.input
- 24VDC Aux. Power supply available for 2 wires system
- Display / Record Single-point, Multi-point, Trend, Totalizer, Bargraph
- The recorded data could be stored in USB memory & SD memory card and transferred to computer for soft analysis

STANDARD SPECIFICATION

Number of Inputs	: 1- 4 Channels
Input	: T/C (K, S, B, E, J, N, T, R,N, etc.)
	: RTD, CU50, CU53, BA1, BA2
	: DCA (4-20 mA, 0-10 mA, 0-20 mA)
	: DCV (0-5V, 1-5V , 20mV, 100mV)
	: Frequency (1Hz ~ 5KHz)
	Resistance (0-400 Ω)
Accuracy	: +/-0.15% of Span
Response Time	: 50 ms
Alarm Types	: High & Low alarm, Incr. & Decr. alarm
Output	: 4-20 mA, Load 750 Ω *1 point
	: Relay, 3A/250V * 2 points
	: 24VDC, 60 mA *1 point
Digit Input	: 2 Points Maximum
Storage Memory	: 4 MB (on board)
Recycling Mode	: Newest Data overwrites to oldest data
Recording Data Shift	: USB memory (8GB) / SD Card (4GB)
Display Update Rate	: 1 Second
Keypad	: 6 Keys (Page, Left, Right, Up, Down, Enter) for programming and display control
Parameter Storage	: Operation parameters are stored by EEPROM for more than 10 years

Display	: 3.5" color-screen LCD
Trend & Bargraph	: Vertical / Horizontal
Digital	: 4-1/2 digits programmable
Engineer Unit	: 66 different engineering units
Parameter Protection	: Password entry (6 Digits)
Logging Rate	: 1 Second ~ 1800 Seconds Per Data
Recording Capability	: 72 Hours (4 Points, 1 Data/Second)
	: 118 Years (1 Point, 1 Data/Hour)
PC Software	: Windows 2000/XP/Vista/Win7
Display	: Trend, Digital, Circular, Alarm, Bargraph Totalizer
Convert Function	: Saved as excel files
Protection Class	: NEMA 3 / IP 54
Weight	: 0.5 Kg Maximum
Dimensions	: 96mm (W) * 96 mm (H) *110 mm (D)
Ambient Temperature	: -10 ~ +60 °C
Ambient Humidity	: 10% ~ 85%RH (5 ~ 40 °C)
Power Supply	: 85-260VAC, 50/60Hz 24VDC
Vibration Test	: 10~60Hz ,10m/S2 for 3 hours
Power Consumption	: ≤10 W
Communication	: RS232 / RS485 (MODBUS Protocal)

CE

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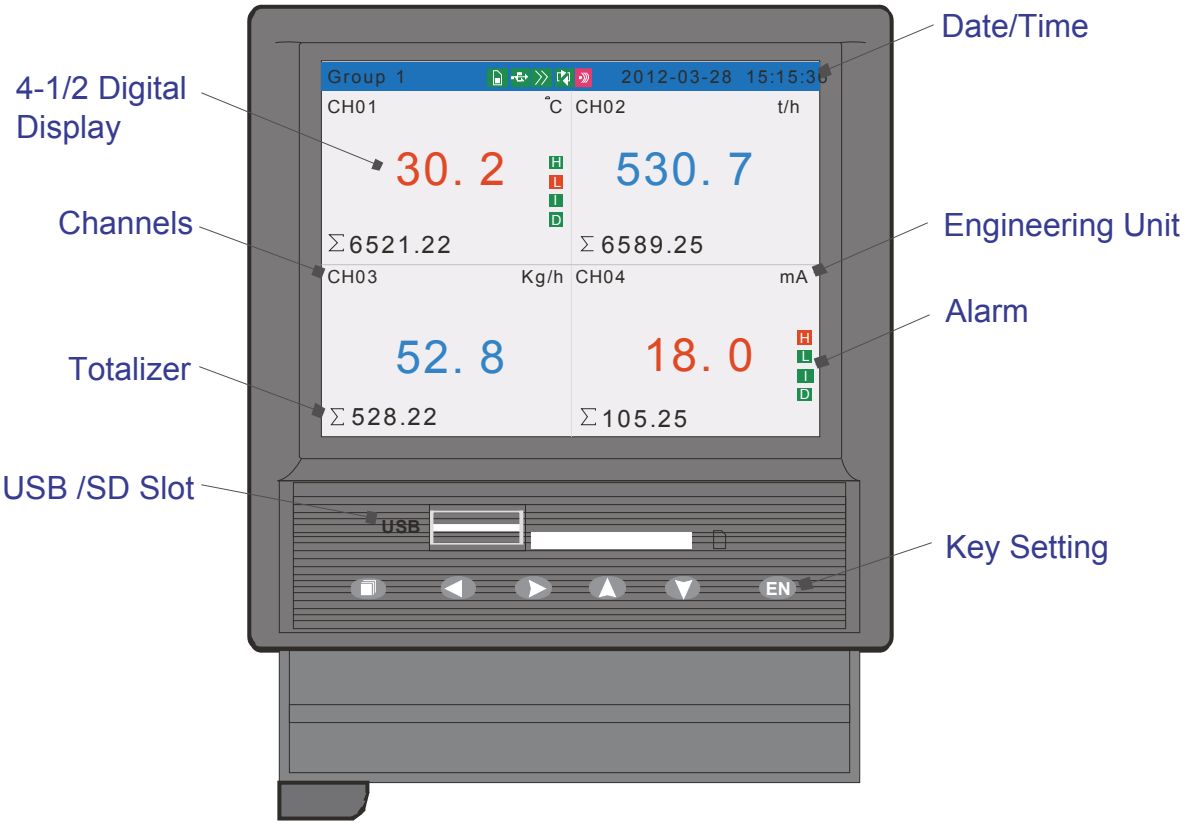
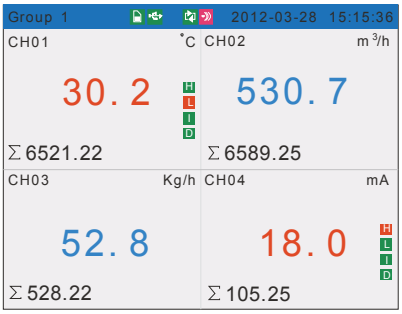
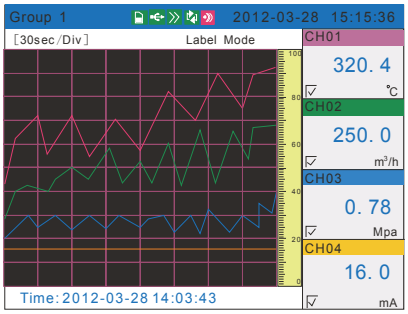
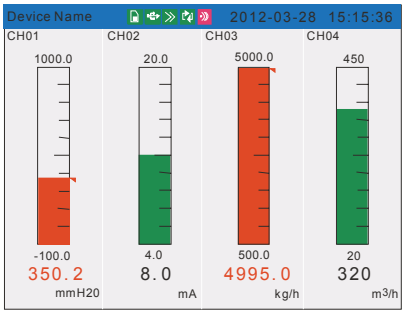
Functions

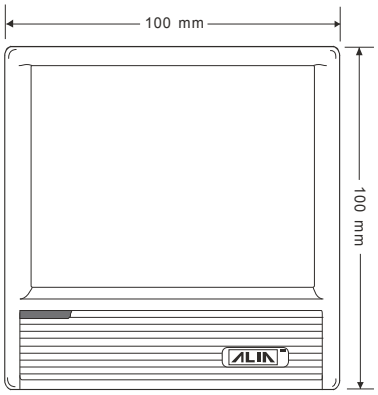


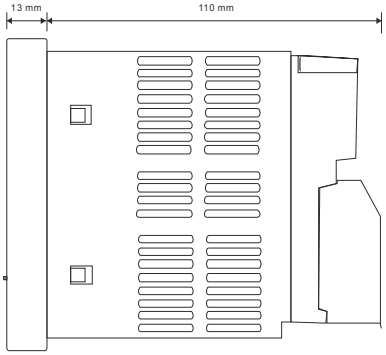




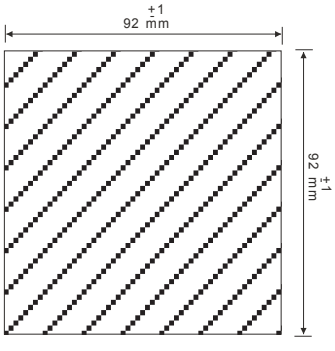


DIMENSIONS

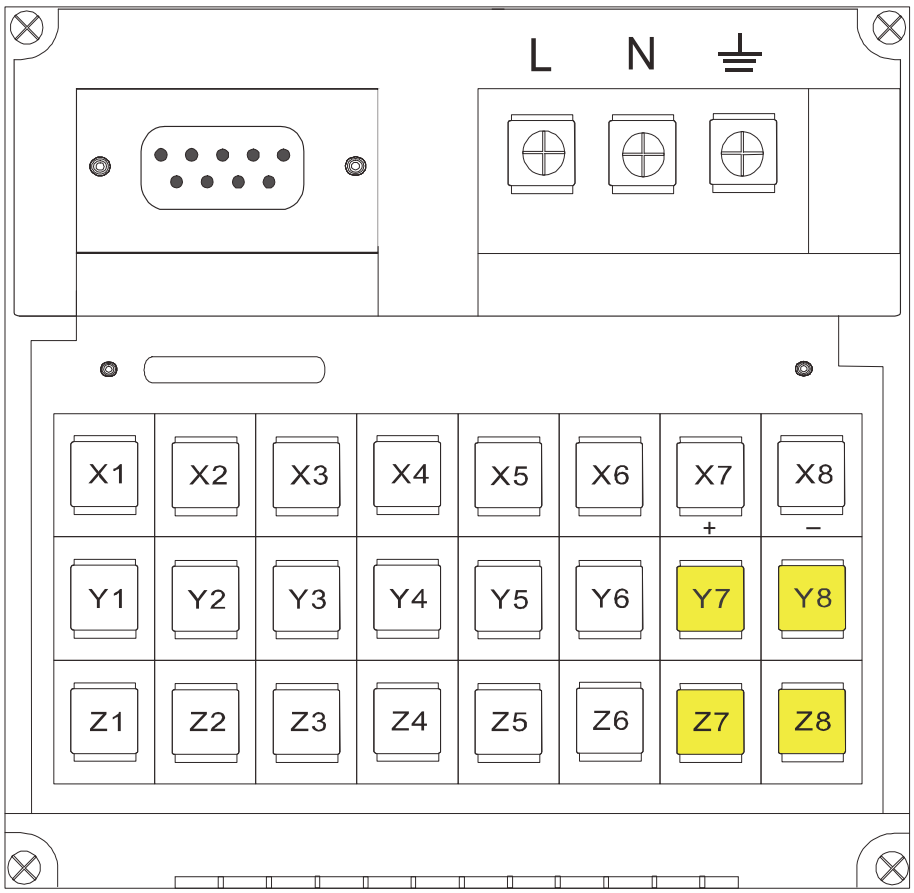


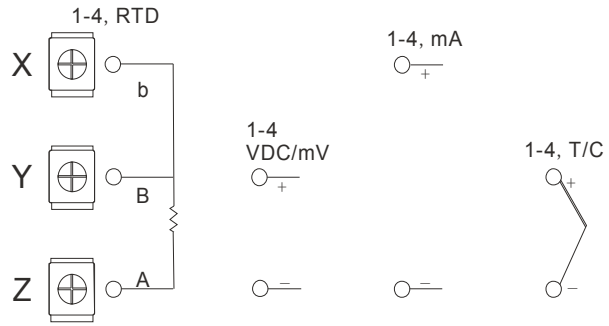


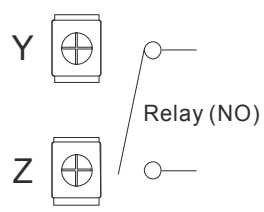
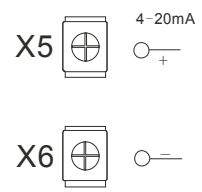
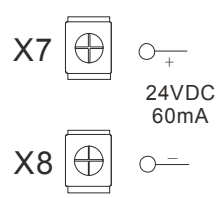
Panel Cutout



WIRING DIAGRAM



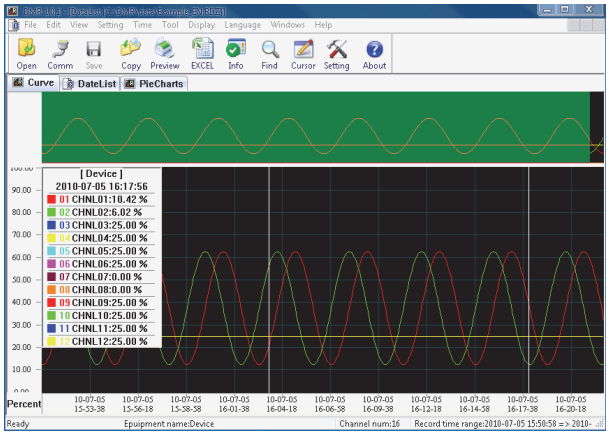
Input	Terminals	
	Input	
	Channel 1-4	X1 / Y1 / Z1 …. X4 / Y4 / Z4
	Frequency	Y5/ Z5
	Output	
	Relay Channel 1-2	Y7 / Y8 ， Z7 / Z8
	4-20 mA	X5 / X6
	24VDC	X7 / X8

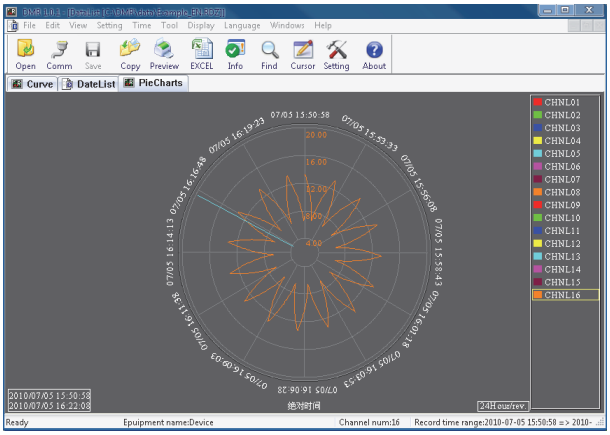
Output		
		

Standard Accessory

* Advanced software Data Analysis at your PC and Remote Viewing
* 8GB USB Memory Disk (Advanced Software inside)
* 4GB SD Memory Disk (Advanced Software inside)

Advanced Software





MODEL SELECTION GUIDE

ARC800 Series						
Example: ARC800-U4-A-R2-C-DC, Universal Input *4, 4~20mA output *1, Relay Output *2, RS485 (Modbus), 24VDC Power.						
ARC800-	XX-	X-	XX-	X-	XX	Description
Signal Input	U1-					1 Channel Input
	U2-					2 Channel Inputs
	U3-					3 Channel Inputs
	U4-					4 Channel Inputs
Output		N-				None
		A-				4~20mA Output
Alarm Output			NN-			None
			R1-			Relay Alarm Output (NO), 1 Channel
			R2-			Relay Alarm Output (NO), 2 Channels
Communication				N-		RS232
				C-		RS485 (Modbus）
Power Supply					AC	85-260VAC, 50/60Hz
					DC	24VDC

Note: Only 1 channel can use frequency input. When choose 1 point from 1-4 channels as the frequency input, the terminals of frequency input must connect to Y5/Z5.