# USER MANUAL

For

ALM-0808/1608/1616 alarm controller

1. Introduction

The alarm controller is designed to work with PC based DVR (Hybrid DVR Server) and analog matrix system. In fact there is no hardware device of ALM-3232. It is only a kind of software name. You can combine 2 pieces of ALM-1616 to build up ALM-3232 via first device ID=1 and second device ID=2.

1.1 Input port （16 ports input for ILDVR-1608, 8 ports input for ILDVR-0808）
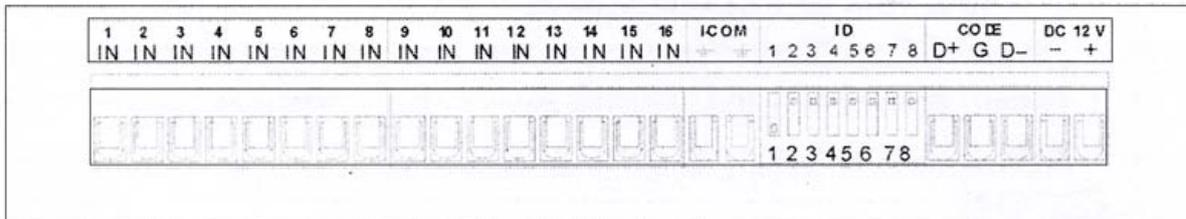
IN – Sensor Data +   I-COM – Sensor Data -
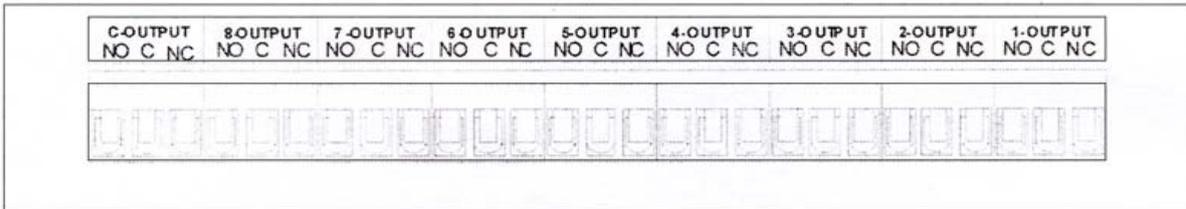
ID – Device ID (Alarm controller address)   CODE – RS485 port

DC12V – 12V DC Power   ALARMS-IN indicator – Flashes when connects a sensor

1.2 Output port.

NO – Normal Open connecter   C – COM connecter

NC – Normal Close connecter   ALARMS OUT indicator – Flashes when there is an alarm

1.3 Specifications

Power Supply: ALM-0808 is DC12V/8W, ALM-1608 is DC12V/12W, ALM-1616 is AC220V/10W or AC110V/ 10W

DI Port: N/C or N/O

DO Port: N/C or N/O

Output: 10A/DC28V or 7A/AC220V

Working Temperature: -10℃ - 55℃

Humidity: ≤90% RH

Dimension: ALM-0808/1608 is 182×120×30mm, ALM-1616 is 484×300×15.5mm

2. Device Setting

2.1 Device ID

If you connect only one device to DVR, please set device ID=1. If you connect 2 devices to DVR, please set second device ID=2.

ID	Jumper Switch 1 2 3 4				Sensor Range	ID	Jumper Switch 1 2 3 4				Sensor Range
1	1	0	0	0	001-016	9	1	0	0	1	129-144
2	0	1	0	0	017-032	10	0	1	0	1	145-160
3	1	1	0	0	033-0	11	1	1	0	1	161-176
4	0	0	1	0	049-064	12					
5	1	0	1	0	065-080	13					
6	0	1	1	0	081-096	14					
7	1	1	1	0	097-112	15	1	1	1	1	225-240
8	0	0	0	1	113-128	16	0	0	0	0	241-256

Set ID=2 to control alarm –in port 17-32

2.2 Baud rate: Use default setting please.

Jumper Switch 5 6		Baud Rate	Jumper Switch 5 6		Baud Rate
1	0	1200	1	1	4800
0	1	2400	0	0	9600

2.3 Working mode: Use default setting please.

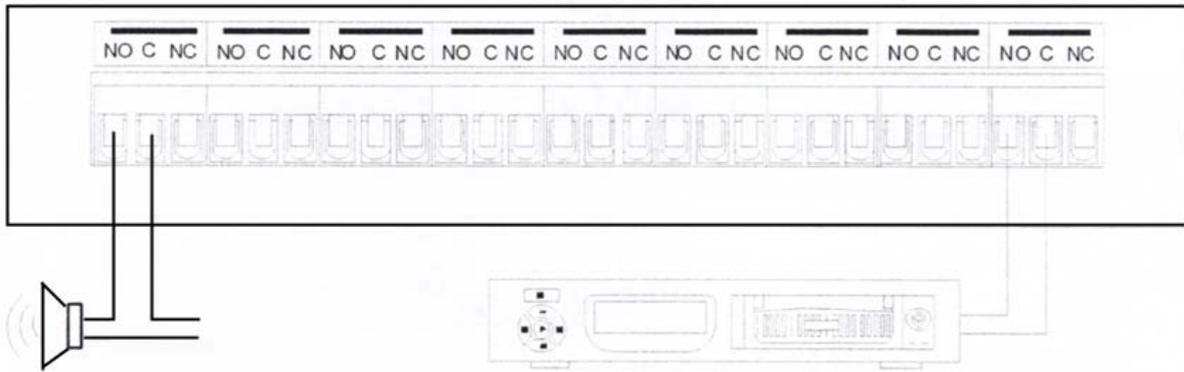|	Jumper Switch 7 8		Working Mode
1	0	0	DVR Mode
2	1	0	Reserved
3	0	1	Matrix Mode
4	1	1	Test Mode

3. Connecting Diagram

3.1 Sensor connecting
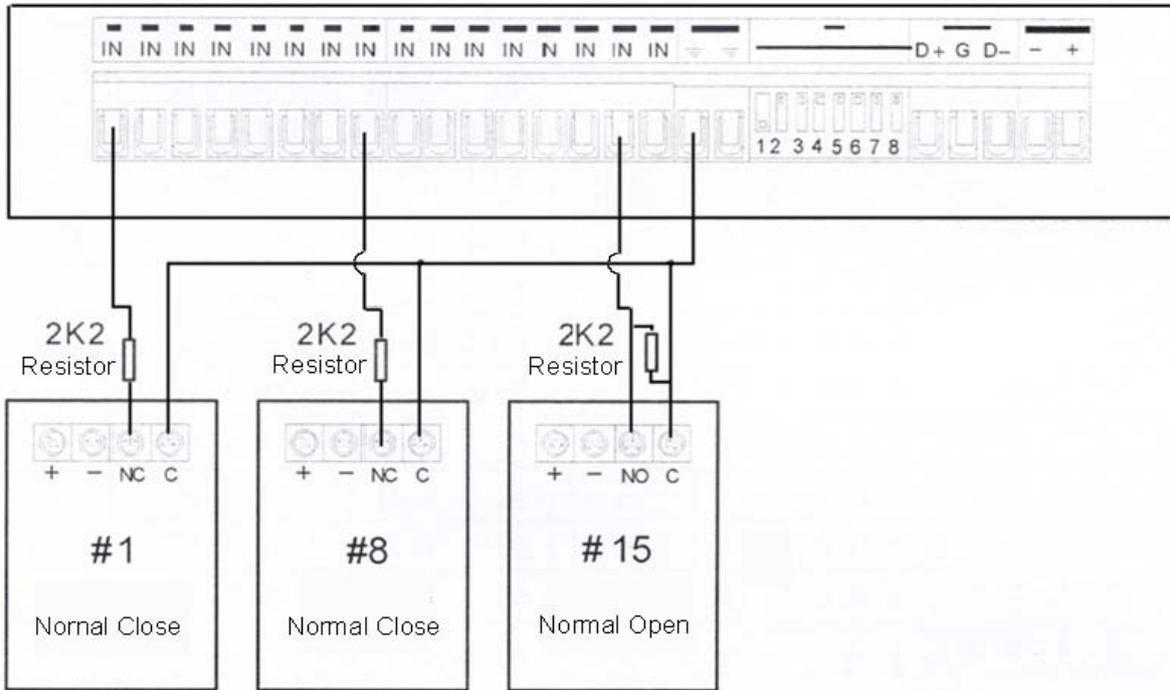
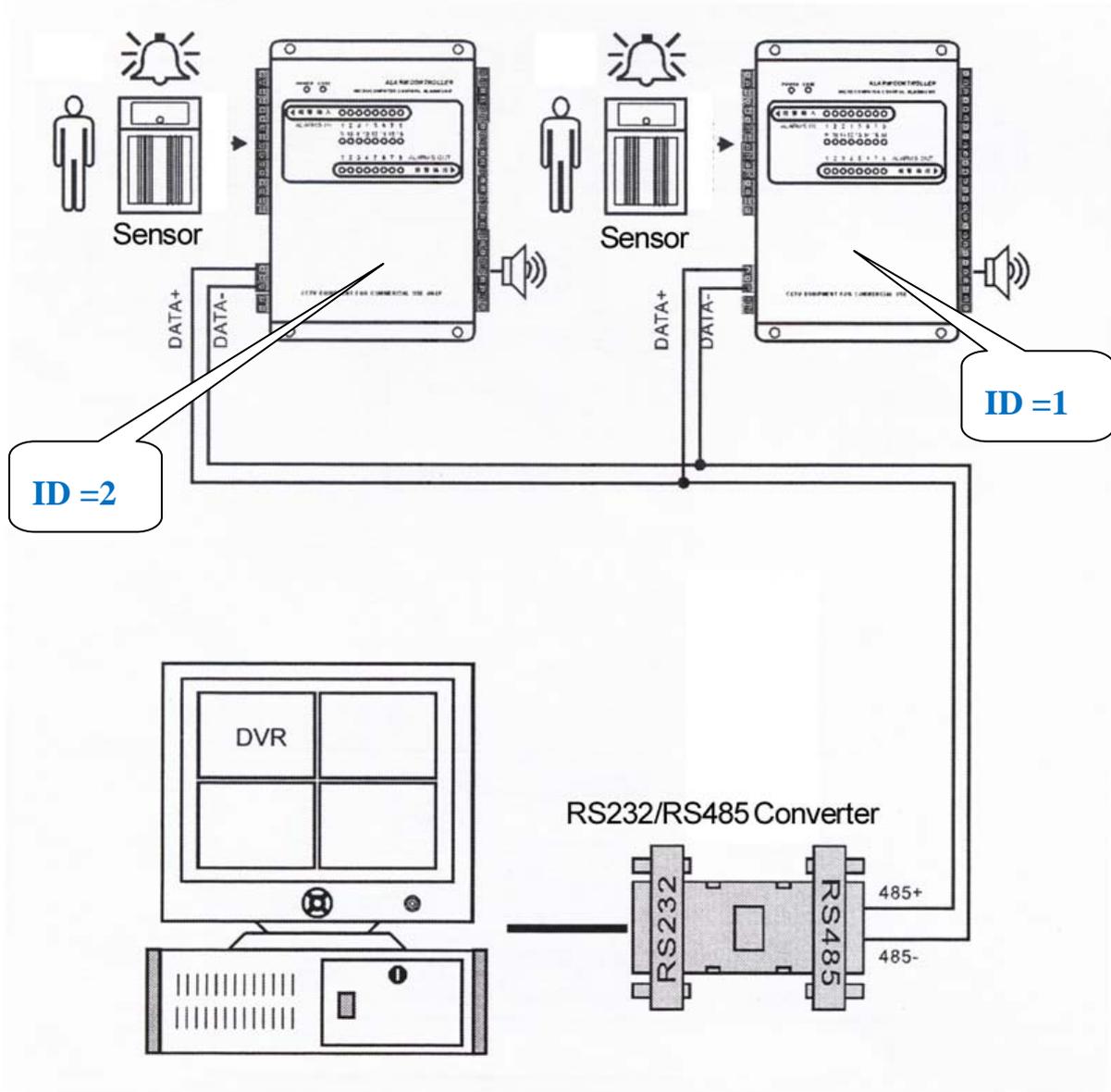**Note: The matching resistor is parallel connection with N/O Port but series connection with N/C Port.**

3.2 Alarm connecting

Select correctly N/C or N/O port for alarm device.

3.3 DVR connecting

Alarm functions need DVR software support, for software settings please refer to ILDVR Hybrid DVR Server & Live Center Operation Guide for more details.

Manufacturer: ILDVR DIGITAL TECHNIOLGY USA INC

Web site: www.ildvr.com

Tech-support: support@ildvr.com