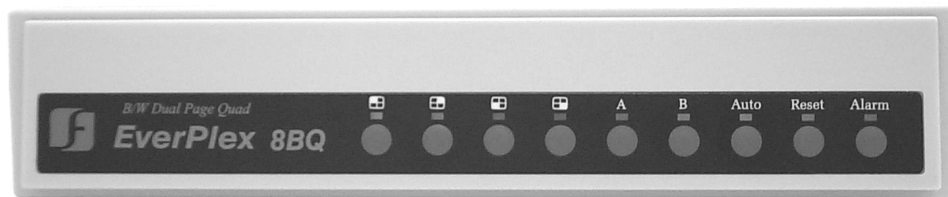


EverPlex 8BQ

USER'S MANUAL



Real time B/W quad processor

Selectable single or dual quad display

High resolution picture quality

8 Alarm input with buzzer

Table of Content

<i>Notice</i>	1
<i>Safety Warning</i>	2
<i>Introduction</i>	3
<i>Specification</i>	4
Chapter I Front Panel Keypads	5
1. Full Screen	5
2. Page A/B Switch	5
3. Auto	5
4. Reset	5
5. Alarm	5
Chapter II Back Panel Function	6
1. Video in	6
2. BNC Connectors	6
2.1 Monitor	6
2.2 Quad out	6
3. Level	6
4. Alarm Time	6
5. Switch Time	6
6. Single/Dual Switch	7
7. A/B Quad	7
8. Alarm Connectors (DB-15)	7
8.1 Alarm out	8
8.1.1 Normally Open Connection	8
8.1.2 Normally Closed Connection	8
8.2 Alarm in	9

Notice

This manual is presented to the users of EverPlex 8BQ by EverFocus Electronics Corp. With years of engineering researching, EverFocus has spared no effort to provide the high quality products to the worldwide users. For the policy of continual product improvement, EverFocus reserves the right to make changes to the product specifications and documentation without notice. All the components of the products, including accessories, components, and outlook, are based on the agreements if each deals to satisfy all kinds of users. Meanwhile, please be advised that every steps of operation must follow the instruction of this manual to keep EverPlex 8BQ working under the best condition. Please notice that EverFocus will not be charged any claims or renewing cases resulted from inappropriate operation.

Safety Warning

1. To prevent fire or shock hazard, do not expose this equipment to the environment of high humidity and dust. Do not use it in an unprotected outdoor installation or any area classified as a wet area.
2. Installation environment: The temperature should be kept between 0°C ~ +50°C
3. For safety sake, do not disseminate the unit or put it on an unstable base.
4. Ventilation: Openings in the enclosure are provided for ventilation and to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. This unit should not be placed in a built-in installation unless proper ventilation is provided.
5. Cleanse: Unplug the unit from the outlet before cleansing. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth to clean it.
6. Overload: Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
7. Power-cord Protection: Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
8. Object and Liquid Entry: Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.
9. Service: Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage of other hazards. Refer all servicing to qualified service personnel.

Introduction

EverPlex 8BQ, a selectable single or two-page B/W Quad processor represents the best choice for 4 or 8 cameras monitoring and recording. 4 or 8 channel auto sequential switching with real time quad display, superior high resolution, and the most practical features in one convenient unit. The most unbeatable B/W Dual Quad processor for the security surveillance.

Main Features:

- Simultaneously monitor up to 8 camera inputs
- Real-time quad display
- Option to watch full image, single page quad or dual page quad display
- Superior high resolution: 960 x 576 (CCIR) , 960 x 480 (EIA)
- Independent brightness level adjustment for each channel
- Auto sequential switching for 8 cameras, Quad A and Quad B (Dwelling time: 1~4 seconds)
- Alarm time setting (1-20 seconds)
- 8 alarm inputs with built-in buzzer
- Easy-handled desktop size
- User-friendly front panel design
- Low power consumption

Specification

Video input:	Up to 8 cameras inputs
Video output:	1 monitor output and 1 quad output for VCR 1Vp-p/75 ohm
Quad Display:	Single page or dual page switch
Alarm input:	8 alarm inputs
Buzzer:	Yes
Alarm output:	2 Alarm Out (1 Normally Open, 1 Normally Closed)
Dimension:	239 x 166 x 55 mm
Power source:	AC 24V
Power consumption:	5W max.
Operating temperature:	0°C to +50 °C

Chapter I Front Panel Keypads

1. Front Panel Keypads



1.1 Full Screen

Press any key of corresponding quadrant, the required channel will be displayed as full screen on the monitor. Press A or B to go back to quad display.

1.2 Page A/B Switch

Press A(B), the live pictures from Page A(B) will be displayed on the main monitor and VCR output for recording.

1.3 Auto

Press Auto key will enter the auto sequential switching mode. It will display live quad & full screen sequentially on the main monitor.

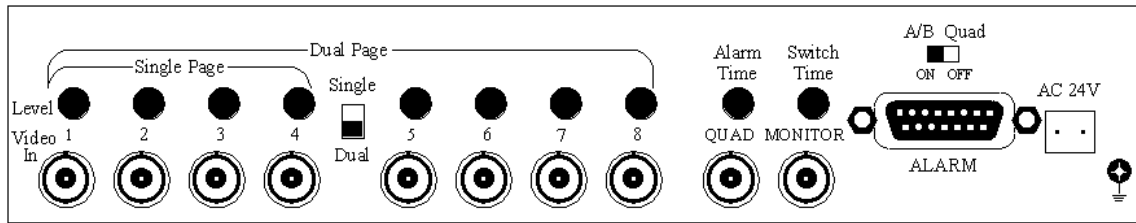
1.4 Reset

After the alarm situation is taken care of and controlled, press Reset key to default alarm and get back to normal condition.

1.5 Alarm

Send alarm signals to the places to be advised without triggering the buzzer.

Chapter II Back Panel Function



1. Video In

Connect camera video output to the corresponding video in connector by a 75 ohm coaxial cable.

2. BNC Connectors

2.1 MONITOR

Connect this output port to the main monitor.

2.2 QUAD OUT

Connect this output port to the VIDEO IN of VCR. The quad video output of current active page is obtained from this connector.

3. LEVEL

Adjust the brightness level for each camera individually.

4. ALARM TIME

Adjust the alarm holding time from 1 to 20 seconds.

5. SWITCH TIME

Adjust the auto sequential switching time from 1 to 4 seconds.

6. SINGLE / DUAL Switch

Select Single Page Quad or Dual Page Quad display. When there are only 4 or less than 4 cameras connected to this quad processor, connect all the cameras to Single Page (1,2,3 and 4) and push up to **Single** for Single Page Quad display only. When there are 5 or more than 5 cameras connected, push down to **Dual** for Dual Page Quad display.

7. A/B Quad

A/B Quad

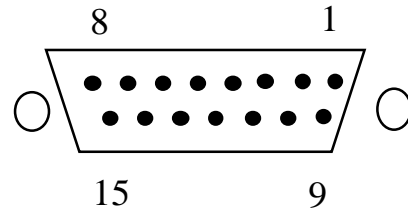


ON OFF

ON: Only the quad pictures of the page A and page B will be sequentially switched when the key of auto sequential in the front panel is on.

OFF: Not only the quad pictures of the page A and page B will be sequentially switched, but the full pictures of the 8 cameras will also be displayed in turns when the key of auto sequential in the front panel is on.

8. Alarm Connectors (DB-15)

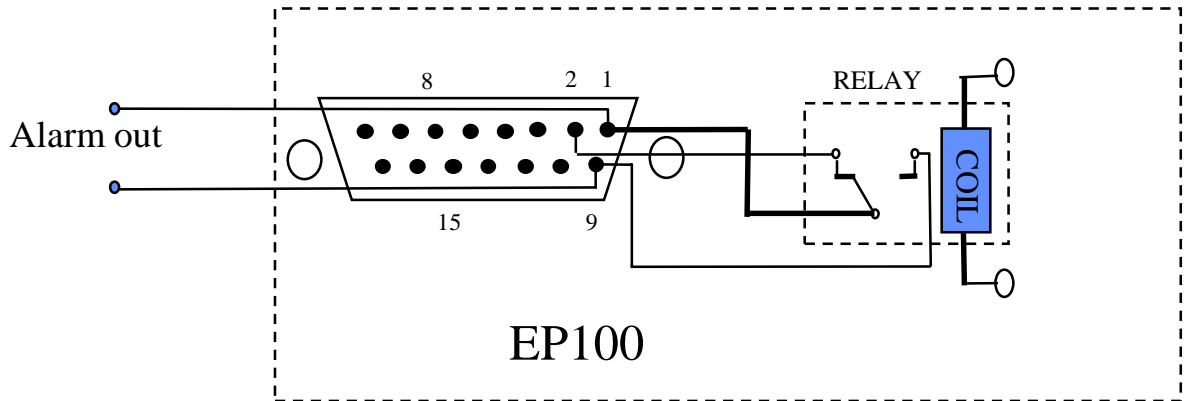


PIN #	NAME	PIN #	NAME
1	Alarm Out Common contact	9	Alarm Out Normally Open
2	Alarm Out Normally Closed	10	
3	Alarm Reset	11	
4	GROUND	12	ALARM IN 1
5	ALARM IN 5	13	ALARM IN 2
6	ALARM IN 6	14	ALARM IN 3
7	ALARM IN 7	15	ALARM IN 4
8	ALARM IN 8		

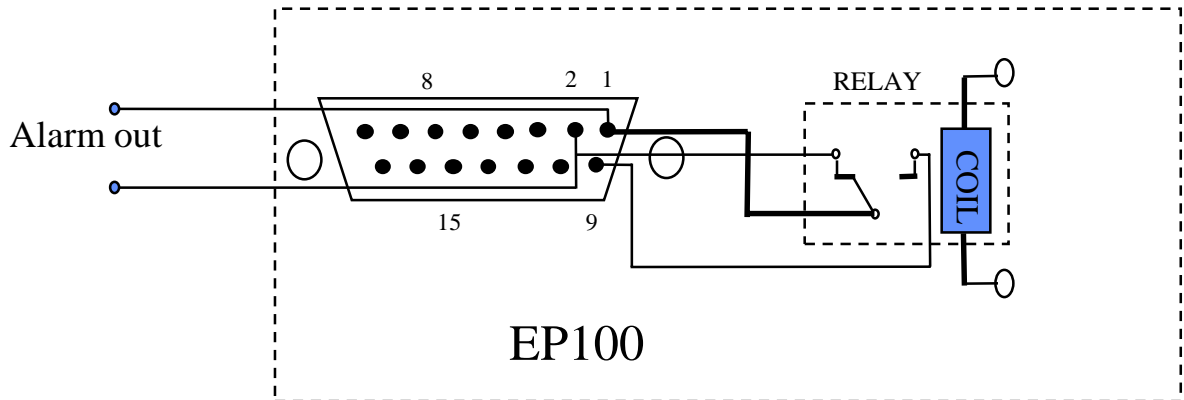
8.1 Alarm out

There are two ways to do the alarm out connection:

8.1.1 Normally Open Connection (use pin # 1 and # 9)

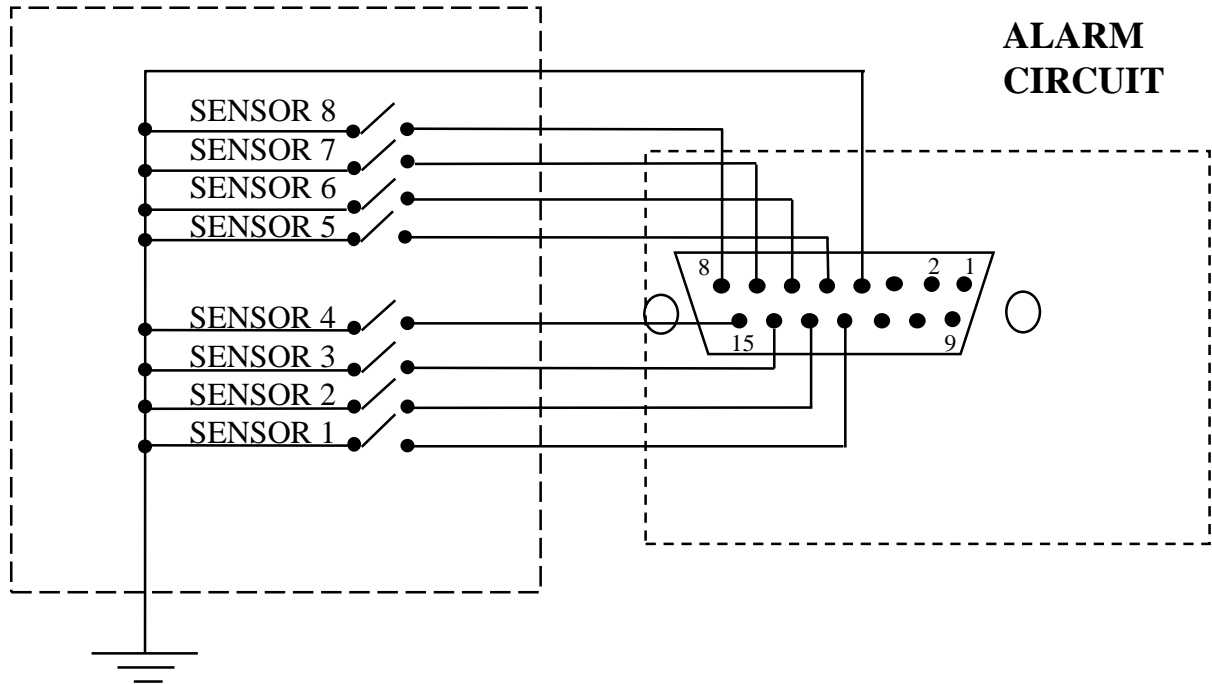


8.1.2 Normally Closed Connection (use pin # 1 and # 2)



8.2 Alarm in

There are 8 alarm sensors in for 8 channels, all these alarm inputs are Normally Open and shorted to ground means an alarm happens.



There are eight alarm inputs, one for each camera of page A & B. Please connect the alarm input in the same sequence as the cameras input BNC of page A & B.

When any alarm signal is input, 8BQ will do the following:

1. switch to the full screen display of the alarmed channel.
2. Light on the channel LED and Alarm LED .
3. turn on the buzzer.

When 2 or more alarms occur in the same page A or B, 8BQ will switch to quad display of that page.

If alarms occur at the same time in different pages, 8BQ will switch to full screen of the channel of Page A.

If alarms occur in different time in different pages, 8BQ will switch to full screen of the channel that the last alarm belongs to.

When the alarm time is over, 8BQ will go back to the normal condition that alarm occurred before.

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