

# BSR-8017

# Addressable input-output unit

## TECHNICAL CHARACTERISTICS

OPERATION VOLTAGE	21-28V
STANDBY CONSUMPTION	1mA
CONSUMPTION WITH INPUT ACTIVATED	1mA (with LED activated)
CONSUMPTION WITH OUTPUT ACTIVATED	1mA (with LED activated)
USE	Indoor
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 54-18
OPERATION TEMPERATURE RANGE	-10 to 60 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	Bayblend FR3010
EXTERNAL DIMENSIONS	116x73x50mm
TYPICAL WEIGHT	130gr.
GUARANTEE	2 years

Thank you for purchasing this product of Olympia Electronics. A European manufacturer.

### GENERAL

BSR-8017 is an addressable input-output unit which is recognized and programmed from the panel BSR-2100. We use the input for connecting to the loop conventional devices which have a free contact (like conventional fire detection panel or flow switches). The input unit can send to the panel, with the suitable connection, three different modes. Quiescent, fault and alarm. The output unit has a relay (30V/1A) which is programmed from the panel.

A red colored LED that blinks periodically in standby mode, is a power indication LED and indicator for the good operation of the device.

When a device issues an alarm the LED lights. When we salience the sirens, the LED remains lit to show us the device that issued the alarm. The LED goes off when we RESET the panel. Each device has an address with which it is recognized from the panel. It's forbidden for two devices with same addresses to be connect to the same loop. The back page contains all the available address settings which are done using the dipswitch.

On each panel we can connect up to 127 input-output devices.

### INSTALLATION (vertical only)

1. Unfasten the two screws of the plastic cover.
2. Place the plugs to the mounting surface and install the base with the mounting screws.
3. Pass the cables thru the entries and perform the required connections (page 2).
4. Refit the plastic cover with the removed screws in step 1.

*NOTE!!! All the installation parts are included.*

Indication LED



### Certification

The Addressable input-output unit BSR-8017 is certified from H.E.E.Q.A.C. Also H.E.E.Q.A.C. controls the production under CPR number:

**BSR-8017 ADDRESSABLE  
INPUT-OUTPUT UNIT**



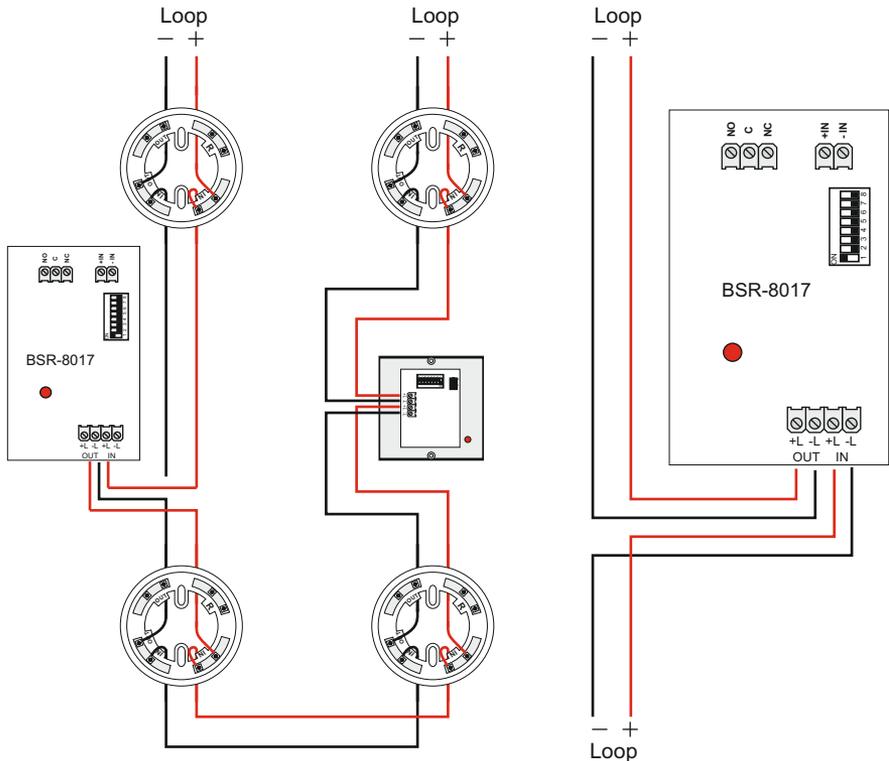
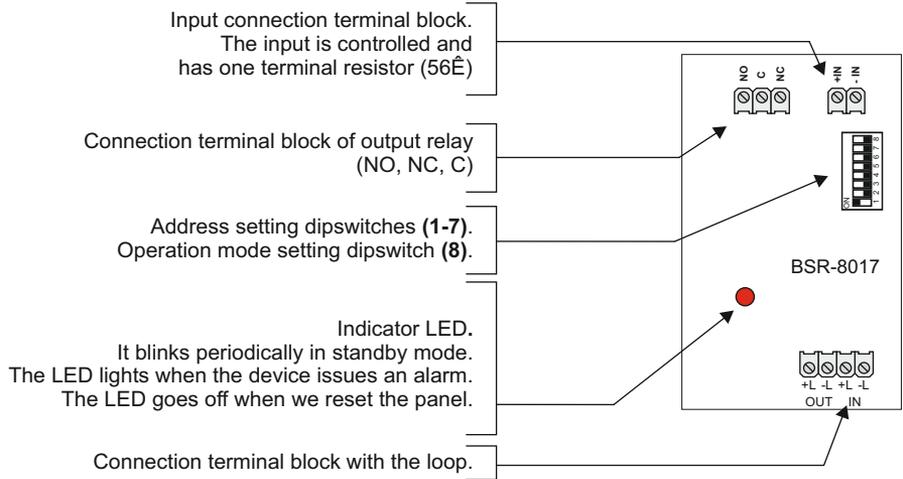
**0848-CPR-012  
EN-54-18: 2005**

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**KOLINDROS PIERIAS  
60061 GREECE**



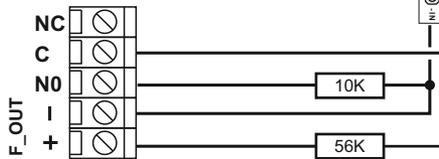
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SAFETY & SECURITY SYSTEMS



Address	Dipswitch setting						
1		31		61		91	
2		32		62		92	
3		33		63		93	
4		34		64		94	
5		35		65		95	
6		36		66		96	
7		37		67		97	
8		38		68		98	
9		39		69		99	
10		40		70		100	
11		41		71		101	
12		42		72		102	
13		43		73		103	
14		44		74		104	
15		45		75		105	
16		46		76		106	
17		47		77		107	
18		48		78		108	
19		49		79		109	
20		50		80		110	
21		51		81		111	
22		52		82		112	
23		53		83		113	
24		54		84		114	
25		55		85		115	
26		56		86		116	
27		57		87		117	
28		58		88		118	
29		59		89		119	
30		60		90		120	

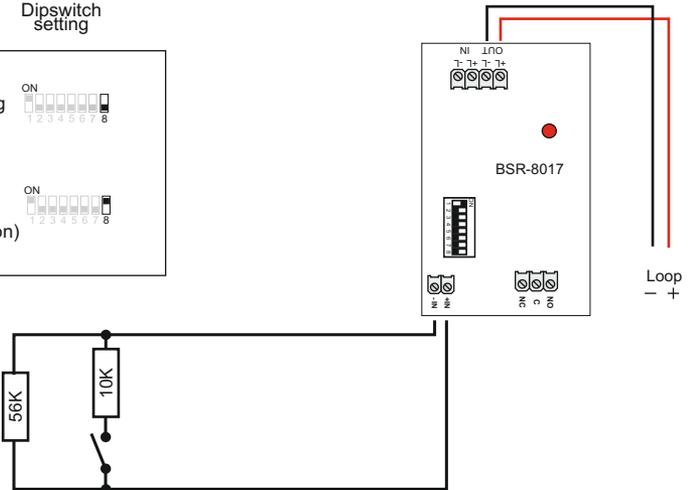
Address	Dipswitch setting
121	ON 1 2 3 4 5 6 7 8
122	ON 1 2 3 4 5 6 7 8
123	ON 1 2 3 4 5 6 7 8
124	ON 1 2 3 4 5 6 7 8
125	ON 1 2 3 4 5 6 7 8
126	ON 1 2 3 4 5 6 7 8
127	ON 1 2 3 4 5 6 7 8

Terminal block  
of the BS-636 panel



Connection BSR-8017 with a BS-636 panel. Using the Alarm and Fault relay. With this connection, when the BS-636 panel detects a fault the device BSR-8017 sends a fault signal to the main panel and when the BS -636 panel detects an alarm the device BSR-8017 sends an alarm signal.

Operation Mode	Dipswitch setting
Operation with independent programming input and output	ON 1 2 3 4 5 6 7 8
Operation with controlled output from the input (fire extinguishing operation)	ON 1 2 3 4 5 6 7 8



Connection BSR-8017 with an override key. When the override key is activated (short circuit) the output of the device does not operate and on the panel appears the indication "DISABLEMENTS". The device BSR-8017 must have the dipswitch 8 in the position ON. It can be used on fire extinguishing system.