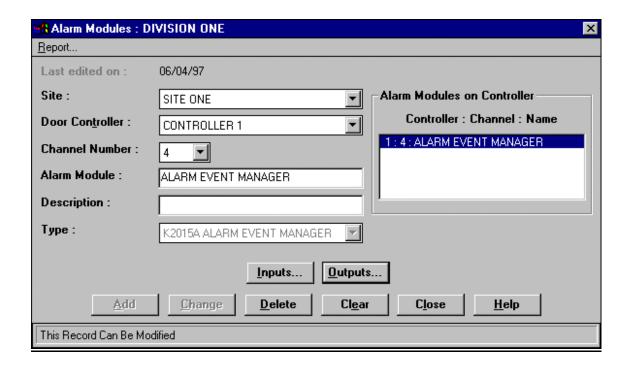# READYKEY FOR WINDOWS
INPUT AND OUTPUT PROGRAMMING EXAMPLES

Article ID: RKKB0009
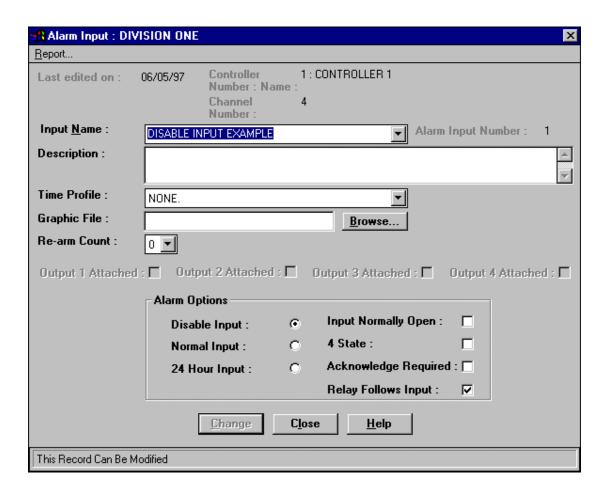**Revision Date: 11 July 97**

The information in this article applies to:

∗ Readykey for Windows v 3.2 or higher
∗ K2100/K1100 v 3.15 or higher
∗ For more information on K2015A programming refer to the Alarm
   Module Help Screens

K2015A Alarm Event Manager Programming

DISABLE INPUT

Alarm Input : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
		Channel Number :	4

Input **N**ame : `DISABLE INPUT EXAMPLE` Alarm Input Number :   1

Description :

Time Profile : `NONE.`

Graphic File : `_____` Browse...

Re-arm Count : `0`

Output 1 Attached : ☐ Output 2 Attached : ☐ Output 3 Attached : ☐ Output 4 Attached : ☐

Alarm Options

Disable Input :	⦿	Input Normally Open :	☐
Normal Input :	○	4 State :	☐
24 Hour Input :	○	Acknowledge Required :	☐
		Relay Follows Input :	☑

Change   Close   Help

This Record Can Be Modified

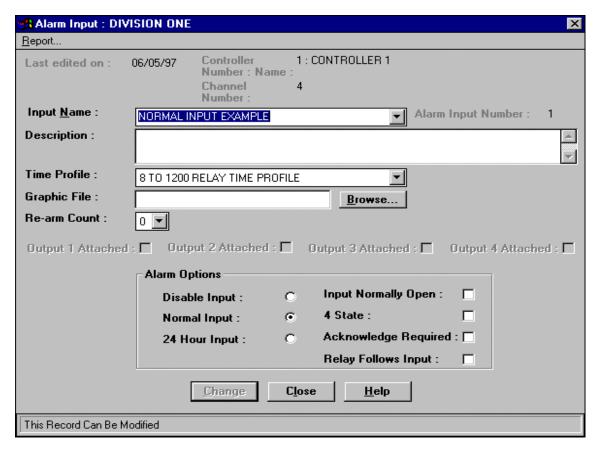| INPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	NONE **NOTE 1**
RE-ARM COUNT	0 **NOTE 1**
DISABLE INPUT	SELECT THIS TYPE
NORMALLY OPEN INPUT	DO NOT SELECT THIS TYPE **NOTE 2**
RELAY FOLLOWS INPUT	SELECT THIS TYPE

NOTE 1 : This input type is not monitored for alarm. Therefore, a time profile assigned to this input will not function just as the re-arm count will not function. These are options for alarm input types not environmental inputs. If time profiles are needed, program them in the output programming.

NOTE 2 : Normally Open Input is only selected when the input is monitored for 4-State. When it is not monitored as 4-State, use the Dip Switches on the K2015A to define the normal state of the input.
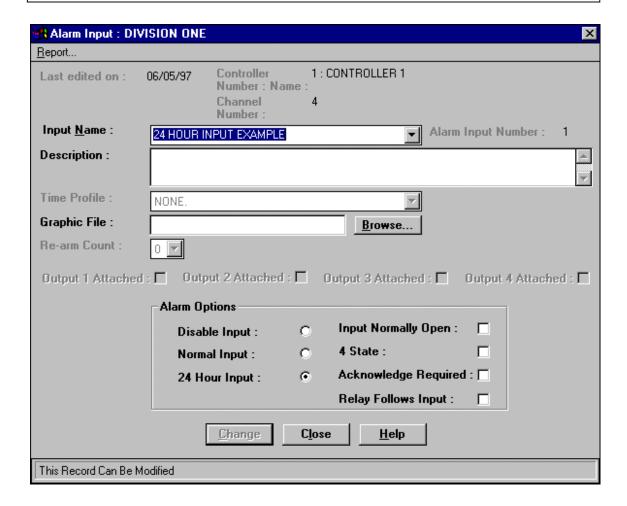
INPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE INPUT WILL BE DISARMED
RE-ARM COUNT	NUMBER OF TIMES THE INPUT WILL RESPOND BEFORE BEING BYPASSED **NOTE 3**
NORMAL INPUT	SELECT THIS TYPE
NORMALLY OPEN INPUT	DO NOT SELECT THIS TYPE **NOTE 2**
RELAY FOLLOWS INPUT	DO NOT SELECT THIS TYPE **NOTE 4**

NOTE 3 : Only enter a re-arm count when there is a time profile assigned to the input. The counter is set at the end of the time profile and re-set at the start of the next time profile. If no time profile is selected, after the number entered, the input will be *"Zone Restored & Disarmed"* and will not respond again.

NOTE 4 : Relay Follows Input will only be selected when the input type is Disable Input. Any other use of this type will cause the relay and outputs to fail to respond over time.

INPUT NAME	NAME DISPLAYED ON THE TRANSACTION
24 HOUR INPUT	SELECT THIS TYPE
INPUT NORMALLY OPEN	DO NOT SELECT THIS TYPE **NOTE 2**
RELAY FOLLOWS INPUT	DO NOT SELECT THIS TYPE **NOTE 4**

NOTE 2 : Normally Open Input is only selected when the input is monitored for 4-State. When it is not monitored as 4-State, use the Dip Switches on the K2015A to define the normal state of the input.

NOTE 4 : Relay Follows Input will only be selected when the input type is Disable Input. Any other use of this type will cause the relay and outputs to fail to respond over time.
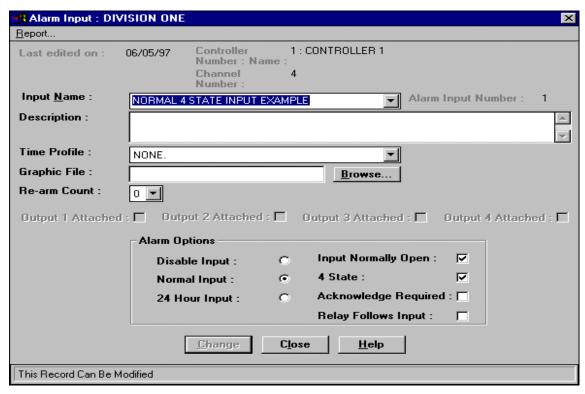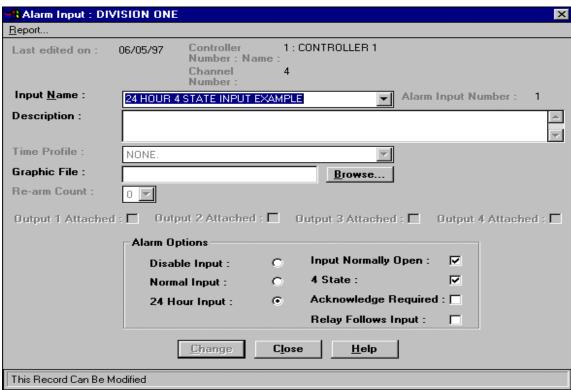
Alarm Input : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
		Channel Number :	4

Input Name : `NORMAL 4 STATE INPUT EXAMPLE` ▼   Alarm Input Number :   1

Description :

Time Profile : `NONE.` ▼

Graphic File : `_____` Browse...

Re-arm Count : `0` ▼

Output 1 Attached : ☐   Output 2 Attached : ☐   Output 3 Attached : ☐   Output 4 Attached : ☐

Alarm Options

Disable Input :   ○   Input Normally Open :   ☑

Normal Input :   ⦿   4 State :   ☑

24 Hour Input :   ○   Acknowledge Required :   ☐

Relay Follows Input :   ☐

[Change]   [Close]   [Help]

This Record Can Be Modified

Alarm Input : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
		Channel Number :	4

Input Name : `24 HOUR 4 STATE INPUT EXAMPLE` ▼   Alarm Input Number :   1

Description :

Time Profile : `NONE.` ▼

Graphic File : `_____` Browse...

Re-arm Count : `0` ▼

Output 1 Attached : ☐   Output 2 Attached : ☐   Output 3 Attached : ☐   Output 4 Attached : ☐

Alarm Options

Disable Input :   ○   Input Normally Open :   ☑

Normal Input :   ○   4 State :   ☑

24 Hour Input :   ⦿   Acknowledge Required :   ☐

Relay Follows Input :   ☐

[Change]   [Close]   [Help]

This Record Can Be Modified

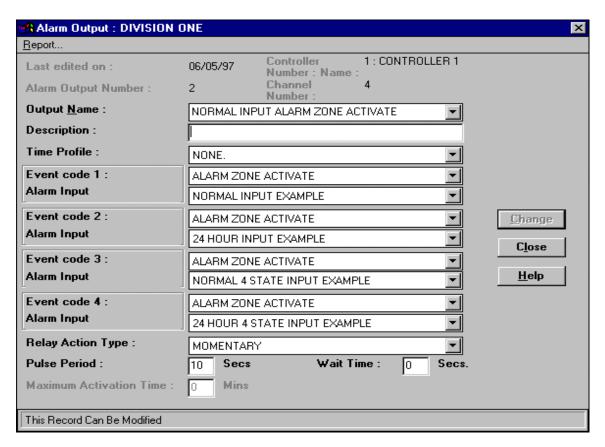| INPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE INPUT IS DISARMED OR NONE FOR 24 HOUR INPUTS
RE-ARM COUNT	NUMBER OF TRIPS BEFORE THE INPUT IS BYPASSED OR 0 FOR 24 HOUR INPUTS
INPUT TYPE	NORMAL INPUT OR 24 HOUR INPUT
INPUT NORMALLY OPEN	SELECT IF INPUT IS A N/O DEVICE
4 STATE INPUT	SELECT THIS TYPE
RELAY FOLLOWS INPUT	DO NOT SELECT THIS TYPE **NOTE 4**

NOTE 4 : Relay Follows Input will only be selected when the input type is Disable Input. Any other use of this type will cause the relay and outputs to fail to respond over time.

Readykey for Windows
K2015A Output Programming
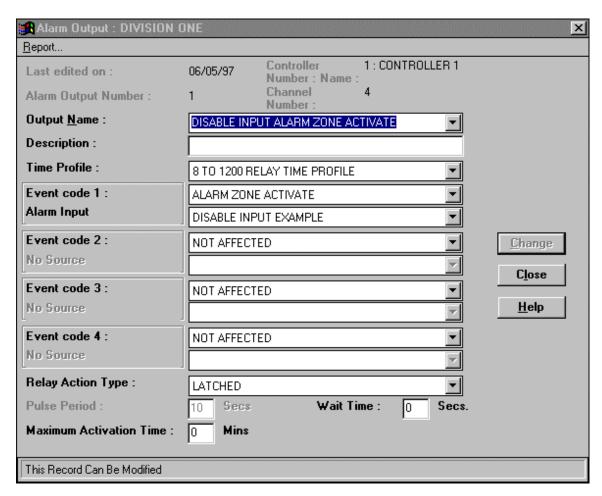# Examples

K2015A OUTPUT	*ALARM ZONE ACTIVATE*

Alarm Output : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
Alarm Output Number :	2	Channel Number :	4

Output Name : NORMAL INPUT ALARM ZONE ACTIVATE

Description :

Time Profile : NONE.

Event code 1 : ALARM ZONE ACTIVATE
Alarm Input NORMAL INPUT EXAMPLE

Event code 2 : ALARM ZONE ACTIVATE
Alarm Input 24 HOUR INPUT EXAMPLE

Event code 3 : ALARM ZONE ACTIVATE
Alarm Input NORMAL 4 STATE INPUT EXAMPLE

Event code 4 : ALARM ZONE ACTIVATE
Alarm Input 24 HOUR 4 STATE INPUT EXAMPLE

Relay Action Type : MOMENTARY

Pulse Period : 10 Secs   **Wait Time :** 0 Secs.

Maximum Activation Time : 0 Mins

[Change] [Close] [Help]

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	ALARM ZONE ACTIVATE
ALARM INPUT (ANY OR 1)	INPUT NAME
RELAY ACTION TYPE	MOMENTARY **NOTE 1**
PULSE PERIOD	1 SECOND -99 SECONDS
WAIT TIME	0 **NOTE 2**

NOTE 1 : Select Momentary to have the output operate for a programmed period of time. If Latched is selected the relay will fire for 2-5 seconds only.

NOTE 2 : Do not program a wait time. If a wait time is entered, the relay will not activate due to the fact that the event happened and was sent immediately. At the end of the wait time the condition would not be active.
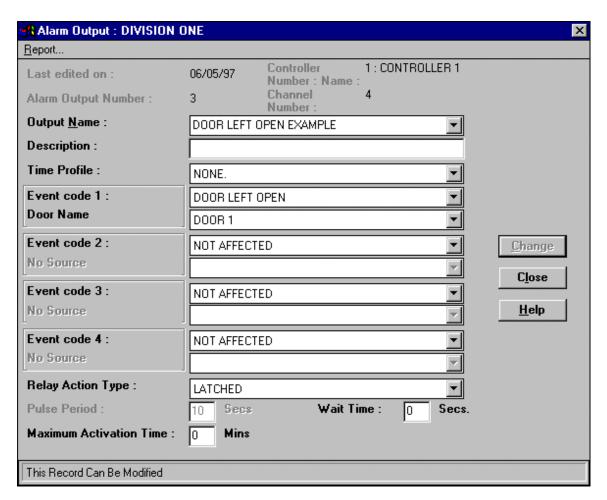
DISABLE INPUT ALARM ZONE ACTIVATE

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	ALARM ZONE ACTIVATE
ALARM INPUT (ANY OR 1)	ALARM INPUT NAME
RELAY ACTION TYPE	LATCHED **NOTE 3**
WAIT TIME	TIME OUTPUT WILL WAIT BEFORE ACTIVATING
MAX ACTIVATION TIME	0 **NOTE 4**

NOTE 3 : By selecting Latched, the relay will follow the state of the input.

NOTE 4 : A Max Activation Time of 0 allows the relay to follow the state of the input. If a number greater than 0 is entered, the relay will activate for this period of time.
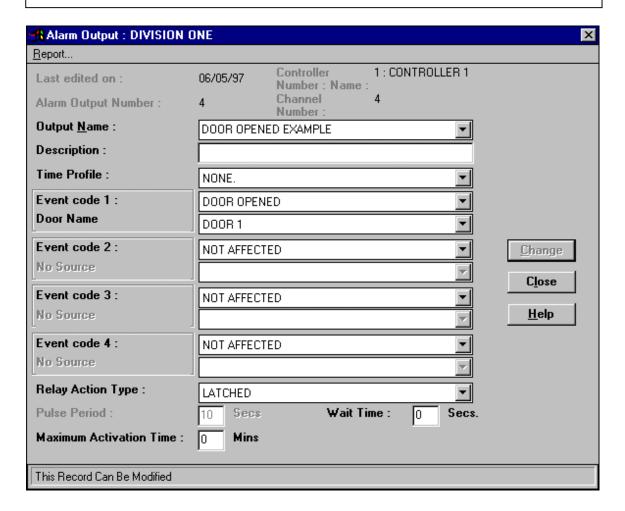
DOOR LEFT OPEN EXAMPLE

Alarm Output : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
Alarm Output Number :	3	Channel Number :	4

Output **N**ame : DOOR LEFT OPEN EXAMPLE

Description :

Time Profile : NONE.

Event code 1 : DOOR LEFT OPEN

Door Name DOOR 1

Event code 2 : NOT AFFECTED

No Source

Event code 3 : NOT AFFECTED

No Source

Event code 4 : NOT AFFECTED

No Source

Relay Action Type : LATCHED

Pulse Period : 10 Secs   Wait Time : 0 Secs.

Maximum Activation Time : 0 Mins

Change   **Close**   **Help**

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE RELAY WILL RESPOND
EVENT CODE 1	DOOR LEFT OPEN
SOURCE (ANY OR 1)	DOOR NAME
RELAY ACTION TYPE	LATCHED **NOTE 3**
WAIT TIME	0-99 SECONDS
MAX ACTIVATION TIME	0 **NOTE 4**

NOTE 3 : By selecting Latched, the relay will follow the state of the input.

NOTE 4 : A Max Activation Time of 0 allows the relay to follow the state of the input. If a number greater than 0 is entered, the relay will activate for this period of time.
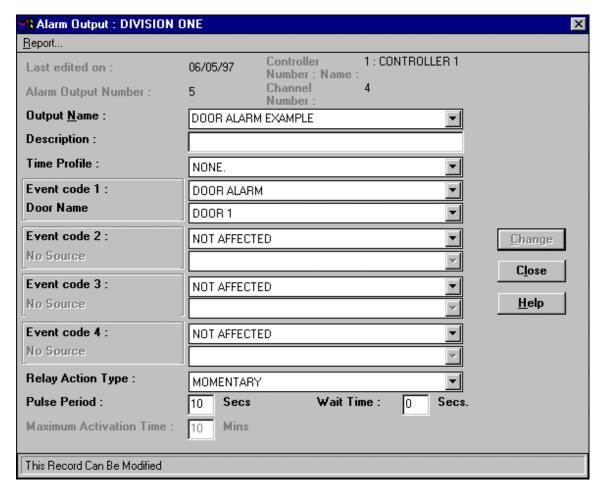
DOOR OPENED

Alarm Output : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1
Alarm Output Number :	4	Channel Number :	4

Output **N**ame : DOOR OPENED EXAMPLE

Description :

Time Profile : NONE.

Event code 1 : DOOR OPENED

Door Name DOOR 1

Event code 2 : NOT AFFECTED

No Source

Event code 3 : NOT AFFECTED

No Source

Event code 4 : NOT AFFECTED

No Source

Relay Action Type : LATCHED

Pulse Period : 10 Secs   Wait Time : 0 Secs.

Maximum Activation Time : 0 Mins

[**Change**] [**Close**] [**Help**]

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	DOOR OPENED **NOTE 5**
SOURCE (1 ONLY)	DOOR NAME **NOTE 6**
RELAY ACTION TYPE	LATCHED **NOTE 3**
WAIT TIME	0-99 SECONDS
MAX ACTIVATION TIME	0 **NOTE 4**

NOTE 5 : Door Opened is always monitored even when the door is unlocked by time profile or manually unlocked.

NOTE 6 : Select 1 door per event code. If you need all four doors for the same relay, program event codes 1-4 as Door Opened with 1 door for each event.

Alarm Output : DIVISION ONE

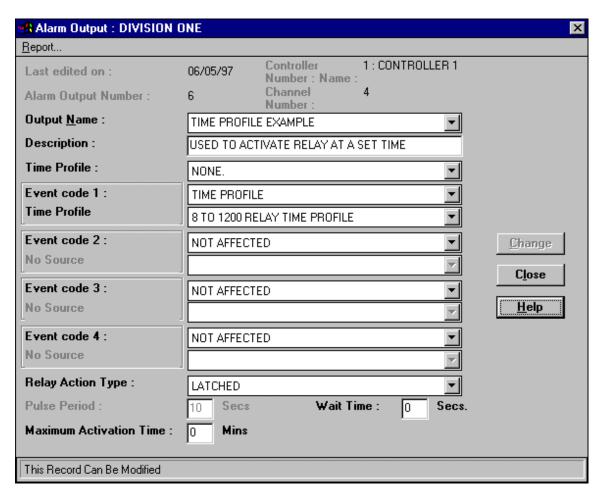Report...

Last edited on :	06/05/97	Controller Number : Name : 1 : CONTROLLER 1
Alarm Output Number :	5	Channel Number : 4

Output Name : DOOR ALARM EXAMPLE

Description :

Time Profile : NONE.

Event code 1 : DOOR ALARM
Door Name DOOR 1

Event code 2 : NOT AFFECTED
No Source

Event code 3 : NOT AFFECTED
No Source

Event code 4 : NOT AFFECTED
No Source

Relay Action Type : MOMENTARY

Pulse Period : 10 Secs   **Wait Time :** 0 Secs.

Maximum Activation Time : 10 Mins

[Change] [Close] [Help]

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	DOOR ALARM
SOURCE (ANY OR 1)	DOOR NAME
RELAY ACTION TYPE	MOMENTARY **NOTE 7**
PULSE PERIOD	1-99 SECONDS
WAIT TIME	0 **NOTE 2**

NOTE 7 : Relay will be momentary when momentary or latched is selected.

NOTE 2 : Do not program a wait time. If a wait time is entered, the relay will not activate due to the fact that the event happened and was sent immediately. At the end of the wait time the condition would not be active.

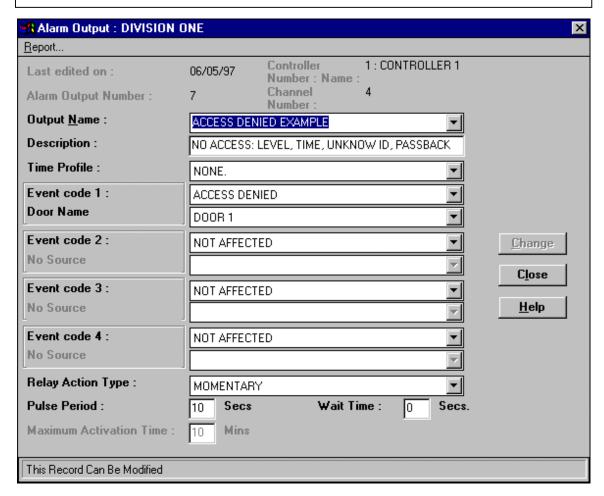| OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND **NOTE 8**
EVENT CODE 1	TIME PROFILE
TIME PROFILE	TIME PROFILE NAME
RELAY ACTION TYPE	LATCHED
WAIT TIME	0
MAX ACTIVATION TIME	0 **NOTE 9**

NOTE 8 : The time profile here takes precedence over the time profile entered as the event. If the relay is not responding then the time profile event will not take place.

NOTE 9: Relay will activate for the period of the time profile when the entry here is 0. Any entry greater than 0 will result in the relay activating for the amount of this entry and not the Time profile.
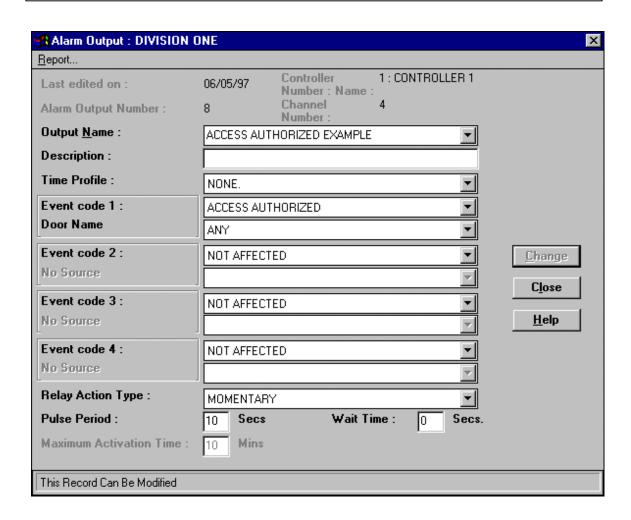
Alarm Output : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller 1 : CONTROLLER 1 Number : Name :
Alarm Output Number :	7	Channel 4 Number :

Output Name : `ACCESS DENIED EXAMPLE`

Description : `NO ACCESS: LEVEL, TIME, UNKNOW ID, PASSBACK`

Time Profile : `NONE.`

Event code 1 : `ACCESS DENIED`
Door Name `DOOR 1`

Event code 2 : `NOT AFFECTED`
No Source

Event code 3 : `NOT AFFECTED`
No Source

Event code 4 : `NOT AFFECTED`
No Source

Relay Action Type : `MOMENTARY`

Pulse Period : `10` Secs   Wait Time : `0` Secs.

Maximum Activation Time : `10` Mins

[Change] [Close] [Help]

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	ACCESS DENIED
SOURCE (ANY OR 1)	DOOR NAME
RELAY ACTION TYPE	MOMENTARY
PULSE PERIOD	1-99 SECONDS
WAIT TIME	0 **NOTE 10**

NOTE 10: Wait Time must be 0. If amount greater than this is entered the relay will not fire because the event is momentary and has already past by the end of the wait time.

ACCESS AUTHORIZED EXAMPLE

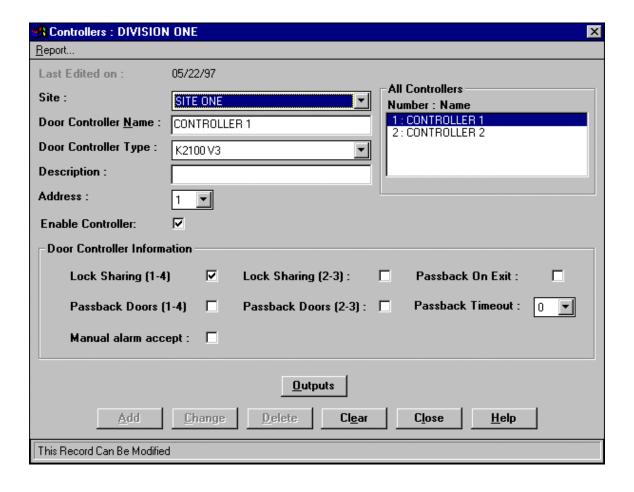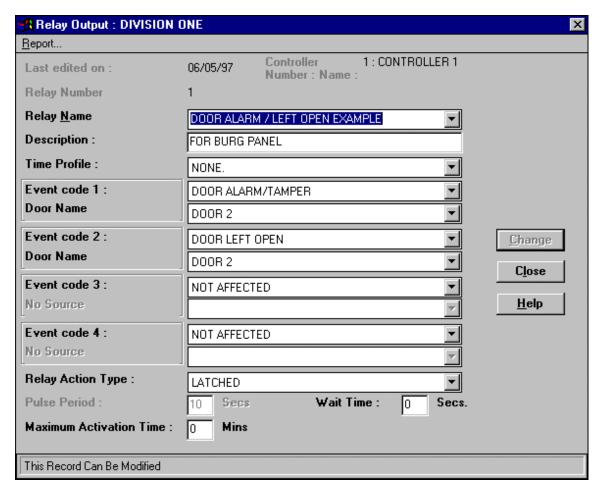| OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE RELAY WILL RESPOND
EVENT CODE 1	ACCESS AUTHORIZED
SOURCE (ANY OR 1)	DOOR NAME
RELAY ACTION TYPE	MOMENTARY
PULSE PERIOD	1-99 SECONDS
WAIT TIME	0 **NOTE 10**

NOTE 10: Wait Time must be 0. If amount greater than this is entered the relay will not fire because the event is momentary and has already past by the end of the wait time.

READYKEY FOR WINDOWS
K2100 OUTPUT PROGRAMMING

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME THE OUTPUT WILL RESPOND
EVENT CODE 1	DOOR ALARM
SOURCE (1 ONLY)	DOOR NAME
EVENT CODE 2	DOOR LEFT OPEN
SOURCE (1 ONLY)	DOOR NAME
RELAY ACTION TYPE	LATCHED
WAIT TIME	0 **NOTE 11**
MAX ACTIVATION TIME	0 **NOTE 12**

NOTE 11 : Wait Time must be set for 0 so that the relay will respond under the Door Alarm condition.

NOTE 12 : Max Activation Time must be set for 0 so that the relay will remain activated as long as the door is held open. Relay will reset when door is closed.

Relay Output : DIVISION ONE

Report...

Last edited on :	06/05/97	Controller Number : Name :	1 : CONTROLLER 1

Relay Number   2

Relay **N**ame   DOOR ALARM / LEFT OPEN EXAMPLE 2

Description :   FOR EXTERNAL SOUNDERS AT THE DOORS

Time Profile :   NONE.

Event code 1 :   DOOR ALARM/TAMPER

Door Name   DOOR 2

Event code 2 :   DOOR LEFT OPEN

Door Name   DOOR 2

Event code 3 :   NOT AFFECTED

No Source

Event code 4 :   NOT AFFECTED

No Source

Relay Action Type :   MOMENTARY

Pulse Period :   30   Secs   Wait Time :   0   Secs.

Maximum Activation Time :   10   Mins

[Change] [Close] [Help]

This Record Can Be Modified

OUTPUT NAME	NAME DISPLAYED ON THE TRANSACTION
TIME PROFILE	TIME RELAY WILL RESPOND
EVENT CODE 1	DOOR ALARM
SOURCE (1 ONLY)	DOOR NAME
EVENT CODE 2	DOOR LEFT OPEN
SOURCE (1 ONLY)	DOOR NAME
RELAY ACTION TYPE	MOMENTARY
PULSE PERIOD	1-99 SECONDS **NOTE 13**
WAIT TIME	0 **NOTE 11**

NOTE 11 : The Wait Time must be set for 0 so that the relay will respond under the Door Alarm condition.

NOTE 13 : The time programmed in the Pulse Period is the time that the relay will output regardless whether it is a Door Alarm or a Door Left Open. Due to this, a relay programmed following this example should not be used as the activation device for a burglary panel.

Radionics ™

ALARM CONDITIONS

DOOR ALARM
DOOR TAMPER
DOOR CONTROLLER TAMPER
ALARM MODULE TAMPER
DOOR CONTROLLER OVERRIDE ALARM
DOOR ALARM/TAMPER
ALARM ZONE ACTIVATE
ALARM ZONE TAMPER ALARM
ALARM ZONE TROUBLE ALARM
PIN READER DURESS

NON-ALARM CONDITIONS

ACCESS AUTHORIZED
ACCESS DENIED
DOOR OPENED
DOOR LEFT OPEN
TIME PROFILE
AUTO ZONE ENABLE
MANUAL ZONE ENABLE
ALARM ZONE ACTIVATE (DISABLED INPUT)