

Relay AC-W & Relay DC-W

Installation Manual

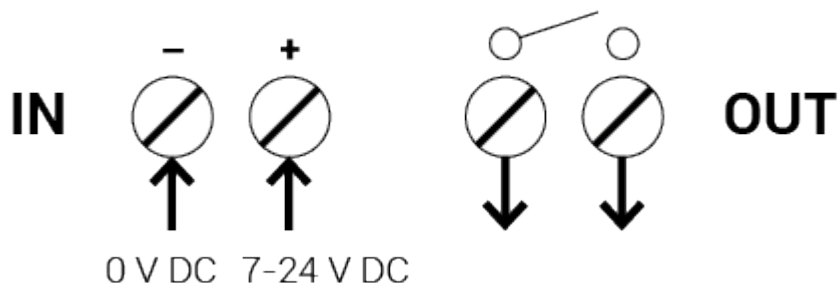
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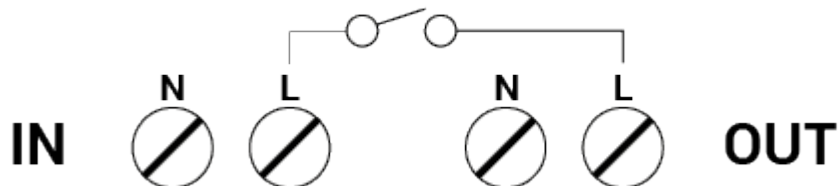
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1.0 Relay-W wiring

DC-W



AC-W



WARNING: RELAY AC-W MUST BE INSTALLED INSIDE AN ELECTRICAL SAFETY ENCLOSURE TO PREVENT INJURY.

2.0 Learning the device to the system

1. Power on the Relay
2. On your keypad, navigate to 'Zone Setup' and press
3. Navigate to an empty wireless zone slot for the device and press until you reach the 'Learn' menu
4. Press
5. Press and hold the 'LEARN' button on the Relay-W for 3 seconds.
6. The panel will display an 'I/O' on the keypad display once connected
7. Make a note of the XP number on the keypad display, this will be used to configure how the relay is triggered

8. Press (✓) and change the zone type by pressing (X) and navigating through the options until 'CUSTOM'

9. Press (✓) until you reach 'Mode' menu, press (X)

10. Using the 'Example Zone to Output Reference Table (32XP)', find the output corresponding to the zone number which the device was set to, scroll through the menu until the corresponding O/P number is showing and press (✓)

11. The Relay-W is now connected, you can now return to the main menu

If failing to learn:

- Check the system is in learn mode
 - Move closer to the panel or expander
 - Ensure you are learning the device to an empty zone
 - if the learn timer stops during the learning process, but the device does not connect, then the device is already connected elsewhere in the system
-
- Once learned, the device may show as being in tamper, this will clear once logged out of the engineer menu.
 - The Relay-W must remain permanently powered, failure to do so will result in a supervision fault.

3.0 Device programming examples

	Zone Mimic	PC Control	On Alarm
Zone Type	Custom	Custom	Custom
Ricochet Device Mode	Expander O/P X	Expander O/P X	Expander O/P X
Expander Output - Group Type	Zone	PC Control	Area
Output Function	Mimic	PC Control X	Alarm

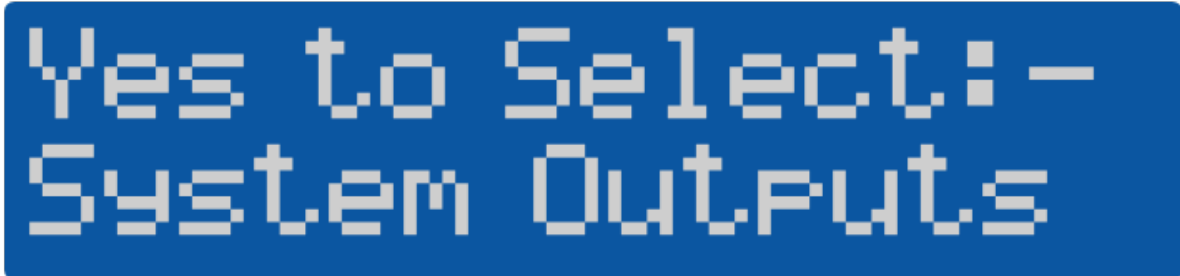
4.0 Programming scenarios

Once the Relay-W is learned onto the system, the device can be configured for use in different scenarios. Three examples are provided below:

4.1 Control with another zone

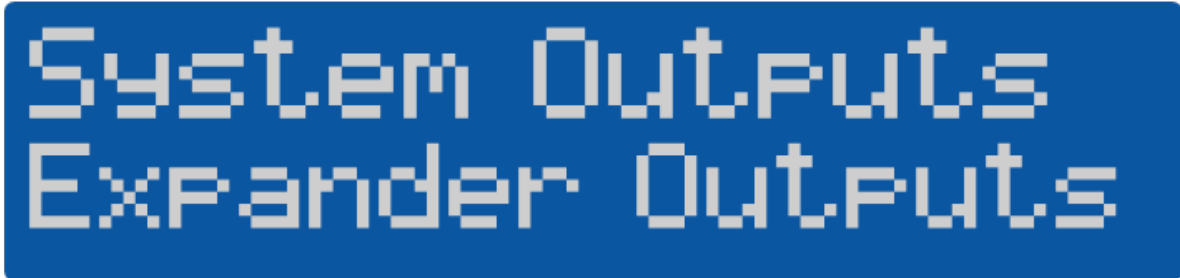
The Relay-W can be configured to trigger when a specific zone has been activated. e.g. Relay-W triggers when a motion detector is activated.

1. Enter the engineers code and navigate to 'System Outputs', press 



Yes to Select:-
System Outputs

2. Navigate to 'Expander Outputs' and press 



System Outputs
Expander Outputs

3. Using the 'Example Zone to Output Reference Table (32XP)', Navigate to the Relay-W's correct O/P and press 



EXP. 1,1 0/P 1
Not Used (off)

4. Navigate to 'Zone Type' and press 



EXP. 1,1 0/P 1
> Zone type

5. Navigate to the zone you wish to activate the Relay-W and press 



EXP. 1,1 0/P 1
Zone001<Mimic

6. Navigate to 'Mimic' and press 



EXP. 1,1 O/P 1
Zone001>Mimic

7. Continue to press the menu key until prompted to 'Exit & Logoff' press 



Do you want
to EXIT & LOGOFF

4.2 Control with Area alarm

The Relay-W can be configured to activate when an Area enters into an alarm condition.
e.g. Relay-W activates when Area A is triggered.

1. Enter the engineers code and navigate to 'System Outputs', press 



Yes to Select:-
System Outputs

2. Navigate to 'Expander Outputs' and press 

System Outputs Expander Outputs

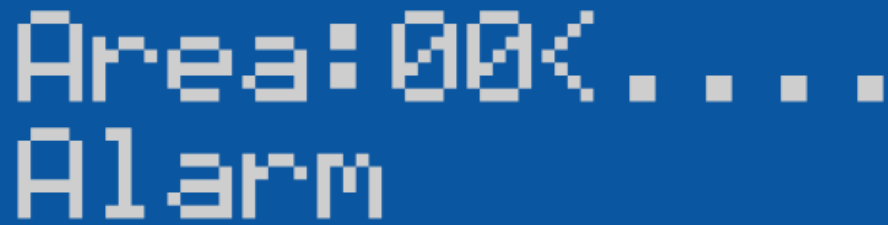
3. Using the 'Example Zone to Output Reference Table (32XP)', Navigate to the Relay-W's correct O/P and press 

EXP. 1,1 O/P 1
Not Used (off)

4. Navigate to 'Area Type' and press 

EXP. 1,1 O/P
> Area type

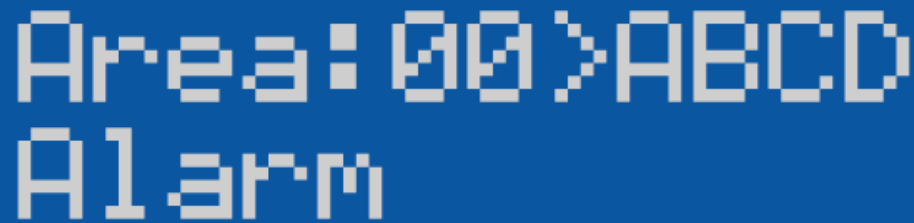
5. Navigate to 'Alarm' and press 



Area: 00<
Alarm

6. Using keys 1-4, select the desired areas and press 

(1=Area A, 2 =Area B, 3=Area C, 4=Area D)



Area: 00>ABCD
Alarm

7. Continue to press the menu key until prompted to 'Exit & Logoff', press 



Do you want
to EXIT & LOGOFF

4.3 Control with PC control

The Relay-W can be configured to activate using PC control, This allows for the Relay-W to be controlled via the keypad and Texecom Connect App.

1. Enter the engineers code and navigate to 'System Outputs', press 

Yes to Select:-
System Outputs

2. Navigate to 'Expander Outputs' and press 

System Outputs
Expander Outputs

3. Using the 'Example Zone to Output Reference Table (32XP)', navigate to the Relay-W's correct O/P and press 

EXP. 1, 1 O/P 1
Not Used (off)

4. Navigate to 'PC Control' and press 



EXP. 1,1 0/P
> PC Control

5. Navigate to the desired PC control number and press 



EXP. 1,1 0/P
PC Control 1<

6. Return to the menu and navigate to 'Global Options', press 



YES to Select:-
Global Options

7. Navigate to 'PC Output Text' and press 



```
Global Options
PC Output Text
```

8. Navigate to the PC output previously set and press (X)



```
TEXT
PC Output 1 Text
```

9. Edit text to match the application of the relay



```
Relay
^Edit Text >TXT
```

10. Continue to press the menu key until prompted to 'Exit & Logoff', press (✓)

Do you want to EXIT & LOGOFF

11. For control via the Texecom Connect app, the panel must be synced via the Texecom Cloud. The device will then show up as a Control device within the Rooms screen

5.0 Expander Outputs

Expander zones are grouped into block of 8 outputs (O/P 1, O/P 2 Etc.).

The total number of expander zones available will depend on the panel, number of expanders connected, and how the expander(s) are addressed.

Any of the expander zones can be set to any of the 8 outputs in the expander output group. It cannot be set to an output in a different expander output group.

Zone	Expander Device (XP 01,XX)	Expander Output (O/P) Group
9	XP 01,01	Exp 1,1 (O/P 1)
10	XP 01,02	Exp 1,1 (O/P 2)
11	XP 01,03	Exp 1,1 (O/P 3)
12	XP 01,04	Exp 1,1 (O/P 4)
13	XP 01,05	Exp 1,1 (O/P 5)
14	XP 01,06	Exp 1,1 (O/P 6)
15	XP 01,07	Exp 1,1 (O/P 7)
16	XP 01,08	Exp 1,1 (O/P 8)
17	XP 01,09	Exp 1,2 (O/P 1)
18	XP 01,10	Exp 1,2 (O/P 2)
19	XP 01,11	Exp 1,2 (O/P 3)
20	XP 01,12	Exp 1,2 (O/P 4)
21	XP 01,13	Exp 1,2 (O/P 5)

Zone	Expander Device (XP 01,XX)	Expander Output (O/P) Group
22	XP 01,14	Exp 1,2 (O/P 6)
23	XP 01,15	Exp 1,2 (O/P 7)
24	XP 01,16	Exp 1,2 (O/P 8)
25	XP 01,17	Exp 1,3 (O/P 1)
26	XP 01,18	Exp 1,3 (O/P 2)
27	XP 01,19	Exp 1,3 (O/P 3)
28	XP 01,20	Exp 1,3 (O/P 4)
29	XP 01,21	Exp 1,3 (O/P 5)
30	XP 01,22	Exp 1,3 (O/P 6)
31	XP 01,23	Exp 1,3 (O/P 7)
32	XP 01,24	Exp 1,3 (O/P 8)
33	XP 01,25	Exp 1,4 (O/P 1)
34	XP 01,26	Exp 1,4 (O/P 2)
35	XP 01,27	Exp 1,4 (O/P 3)
36	XP 01,28	Exp 1,4 (O/P 4)
37	XP 01,29	Exp 1,4 (O/P 5)
38	XP 01,30	Exp 1,4 (O/P 6)
39	XP 01,31	Exp 1,4 (O/P 7)
40	XP 01,32	Exp 1,4 (O/P 8)

Example Zone to Output Reference Table (32XP)

6.0 Specifications

6.1 Relay DC-W

Specification	Relay DC-W
Part Code	GHF-0001
Operating Temperature	-10°C to 55°C
Relative Humidity	0% to 95% non-condensing

Input Voltage	7-24V DC
Maximum Load (Switched)	7A at 30V DC
Operating Current (Quiescent)	3.25mA
Operating Current (Maximum)	30mA
Connectivity	Ricochet Wireless
Frequency	868MHz
Learn Process	Press and hold 'Learn' button
Receiver LBT	Listen before talk
Transmitter Duty Cycle	<1%
Maximum RF Power	10mW
Relay Type	Normally open
Operation	On/Off
Dimensions	37mm (W) x 74mm (H) x 24mm (D)

6.2 Relay AC-W

Specification	Relay AC-W
Part Code	GHG-0001
Operating Temperature	-10°C to 55°C
Relative Humidity	0% to 95% non-condensing
Input Voltage	110-240V AC
Maximum Load (Switched)	7A at 240V AC
Operating Current (Quiescent)	7mA
Operating Current (Maximum)	8.5mA
Connectivity	Ricochet Wireless
Frequency	868MHz
Learn Process	Press and hold learn button
Receiver LBT	Listen Before Talk
Transmitter Duty Cycle	<1%
Maximum RF Power	10mW
Relay Type	Normally Open
Operation	On/Off

Dimensions	37mm (W) x 74mm (H) x 24mm (D)
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7.0 Legal information

Supplier

Texecom Ltd, Haslingden, Lancashire, BB4 4PW, UK. Made in China

WEEE Directive

2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment or dispose of it at designated collection points. For more information see: www.recyclethis.info

Maintenance

Test yearly by the installer.

Warranty

2 year replacement warranty.

As the Relay-W is not a complete alarm system, but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the Relay - W failed to function correctly. Due to our policy of continuous improvement Texecom reserves the right to change specification without prior notice.

Hereby, Texecom declares that the equipment type : GHGA1000 and GHFA1000, is in compliance with the Radio Equipment Directive (RED) 2014/53/EU and the Electro-magnetic Compatibility (EMC) Directive 2014/30/EU.

The full EU declaration of conformity is available here.

