

T2 SOLUTIONS UK LTD



**Product  
Catalogue  
V5  
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**ENGINEERED FOR ENGINEERS**

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# E A S Y R E L A Y

**EASY RELAY** makes alarm interfacing fast and efficient. Built-in series diodes for bell circuits. LED indicator for activation confirmation. *No more sticky pad feet to mess about with*, just a single screw fixing. The plastic bases are colour coded. Available in 12V, 24V and 240VAC trigger coils.



order code 500-010

**Easy Relay 12V**  
 Order code 500-010  
 Ideal for **Security Systems** (compact size)  
 safe and simple mounting plate, LED indicator  
 12V Coil and two 8A changeover contacts



order code 500-020

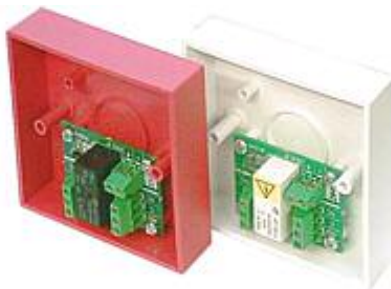
**Easy Relay 24V**  
 Order code 500-020  
 Ideal for **Fire Systems** (compact size)  
 safe and simple mounting plate, LED indicator  
 12V Coil and two 8A changeover contacts



order code 500-050



**Easy Relay 240VAC**  
 (172 to 345VAC)  
 2 X 8A changeover contacts  
 General *mains voltage* interfacing  
 to lower voltages and compact size.

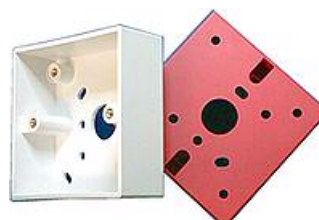


**Easy Relay - UK One Gang Form Factor**  
 Will fit on any UK 1 Gang backbox or Dryliner box.  
 Same Electrical spec. as mounting plate versions

Printed text "RELAY INTERFACE" on front cover

Matching fire retardant backboxes available.

- Order Code 500-011    12VDC White
- Order Code 500-021    24VDC Red
- Order Code 500-023    24V AC White
- Order Code 500-051    240VAC White



- Order Code 500-100W    White Backbox
- Order Code 500-100    Red Backbox

The *ResQu* alarm system is supplied with correct disabled markings and the sounder is loud enough for clubs and bars. Also supplied with matching backboxes.

The *ResQu* alarm is also available with a **radio link** to a remote mimic panel up to 150m away (mains powered with battery backup). A full range of ancillary products is available.

order code 500-500



- Disabled Persons WC Alarm KIT**  
 1 X Main Panel  
 1 X Pull switch with cord and triangles  
 1 X Sounder strobe  
 1 X Trunking adaptor  
 1 X Double back box  
 1 X Single back box  
 Battery option - add 'B' to order code

order code 500-502



- Disabled Persons WC Alarm KIT**  
 1 X Main Panel  
 1 X Pull switch with cord and triangles  
 1 X remote Reset button  
 1 X Sounder strobe  
 1 X Trunking adaptor  
 1 X Double back box  
 1 X Single back box  
 Battery option - add 'B' to order code



Order Code 500-550

- Disabled toilet alarm system with radio remote mimic panel Kit.**  
 1 X Main Panel (with radio transmitter)  
 1 X Mimic Panel (Receiver unit)  
 2 X Sounder strobe units  
 1 X Pull switch with cord and triangles  
 1 X remote Reset Button  
 2 X Trunking adaptors  
 2 X Double back boxes  
 3 X Single back boxes  
 2 X NiMh battery packs



**ResQu** alarm system accessories. Some of these components may be compatible with other call systems (ask technical support).

Pull Switch with red cord (NO LED)



order code 500-810



order code 500-820



Pull Switch with red cord  
Including LED  
Changeover contacts

Remote reset unit  
Hi Contrast/large text for vision impaired persons  
Marked with Disabled symbol  
Push to make switch  
Supplied with low profile backbox



order code 500-800



Order Code 500-400

Sounder Strobe

- Marked with Text and disabled symbol
- 88dB(A) @1m for high noise environments
- Pulsed strobe
- 4 tone selection, 6-30VDC operation
- Supplied with low profile backbox

Replacement pull cord  
red 3m cord and two triangles



Order Code 500-830

PACK of TEN replacement pull  
cords with triangles

Order Code 500-830PK

Modern low profile sounders with integral LED beacon. Low Current electronics, flame retardant plastic. Suitable for use in fire alarm systems and call systems.



Order Code 500-410

**Sounder Strobe for fire alarm systems**

- Red strobe/ red lens/red enclosure
- 10-32VDC operation
- 98dB(A) @1m (UK fire tone, 16.5mA)
- 6 Candela strobe
- Volume POT
- Industry standard tones
- Supplied with low profile backbox

**IDEAL FOR HOTELS**



Order Code 500-420

**Sounder Strobe for fire alarm systems**

- Red strobe/ Clear lens/White enclosure
- 10-32VDC operation
- 98dB(A) @1m (UK fire tone, 16.5mA)
- 6 Candela strobe
- Volume POT
- With Printing 'FIRE ALARM'
- Industry standard tones
- Supplied with low profile backbox



Order Code 500-450  
RED:500-450R

**Sounder ONLY for fire alarm systems**

- White or Red enclosure
- 10-32VDC operation
- 98dB(A) @1m (UK fire tone, 16.5mA)
- Volume POT
- With Printing 'FIRE ALARM'
- Industry standard tones
- Supplied with low profile backbox



Order Code 500-400

**Sounder Strobe for nurse call systems**

- Marked with Text and disabled symbol
- 88dB(A) @1m for high noise environments
- Pulsed strobe
- 4 tone selections
- 6-30VDC operation
- Supplied with low profile backbox

**NEW to V5 CATALOGUE**

**Silenceable Sounder Strobe + 15min TIMER + integral push button**

- Manual silence button to active 15min timer
- Strobe continues during silence period
- Marked with Text (options below)
- 4 tones/ 6-30VDC/ inc. backbox
- Supplied with low profile backbox

Pre-alarm  
Order Code 500 - 460

Fault  
Order Code 500 - 461

Fire  
Order Code 500 - 462

**Mains voltage isolation switch suitable for use with fire alarm systems.  
Secure lockswitch (authorised person only) 4A Double pole switch.  
See BS5839 Pt.1 2002 section 29.2**



Order Code 400-210R (RED)  
Order Code 400-210W (White)

**Isolator for fire alarm systems**

- Red flame retardant enclosure
- 240VAC 2 Pole switching (4A)
- Switch 80A Surge rating
- Neon power indicator
- Secure lockswitch
- key removable in both on or off position
- Supplied with matching backbox
- 20mm Fuse
- Clearly marked with suitable text
- UK Single gang form factor



Excerpts from BS are reprinted here for your convenience

## BS5839 pt1 2002

### 25.2 Recommendations for mains power supplies

25.2 c) 'To facilitate local isolation during maintenance, suitable means should be provided for the double pole isolation of the low voltage supply circuit that serves the power supply and the control equipment(see 29.2e)'

### 29.2 Electrical safety recommendations

29.2 e) ' Means should be provided for double pole isolation of the mains supply to all parts of the system; the isolation facilities should be suitably sited , in the vicinity of the equipment served, for use by maintenance technicians without the need for access to remote parts of the building. It should be possible to lock the facilities in both the normal and isolate positions to prevent unauthorised use. See Clause 25.'

29.2 f) 'Every isolator, switch and protective device that can isolate the supply to the fire alarm system, other than the main isolator for the building, should be labelled either;

FIRE ALARM; Protective device serving only the fire alarm with no switch

FIRE ALARM, DO NOT SWITCH OFF; in the case of a switch (whether incorporating a protective device or not) that serves only the fire alarm circuit.

29.2 g) Every isolator, switch and protective device that is capable of disconnecting the mains supply to the fire alarm system should be situated in a position inaccessible to unauthorized persons **or be protected against unauthorized operation by persons without a special tool**

Note 4 A special tool, may for example, be **a key actuator** (sometimes called "secret key") for a mains switch device.

This sophisticated product is designed primarily for controlling fire system output circuits and for managing fire system interlinks safely. It is particularly useful in larger systems or where a digital communicator needs to be controlled in the event of an unwanted alarm.

**Fire System isolator/timer relay interface**



- Red fire retardant enclosure
- Built in Buzzer
- LED indicators
- Lockswitch for authorised person only
- Key removable in ON position only
- Alarm delay timer (0-5mins)
- 2 X 8A contacts
- Different tone when timing down
- Ant-latch removes interlocks when linking panels
- 4 or 2 wire operation
- Microprocessor controlled
- Supplied with back box
- 16 to 32V operation
- Internal timer LED indicated minutes of delay
- Buzzer Mute option link
- Slow 30Sec. buzzer option link
- I/P can also trigger 5Sec. Pulse option link
- UK single gang form factor
- Supplied with backbox

Order Code 500-200KS  
 Order Code 500-200 (without key switch)

**NEW to V5 CATALOGUE**

A similar product to the above but is designed primarily for controlling fire system INPUT circuits (including zone circuits).

**Fire System detection isolator**

- Red fire retardant enclosure
- Built in isolate Buzzer (jumper selectable; off, 3sec. or 60sec.)
- Yellow LED indicator of isolated state
- key switch for authorised person only
- Key removable in two positions
- Engineer permanent isolate link
- 2 change over contacts

Order Code 500-205



The Multifunction relay is an all rounder that's ideal to carry in case of emergencies. It will trigger from **9.5 to 42VDC** and **7.5 to 30VAC** voltages.

The Circuit is constant current and will not draw more current as more voltage is applied, thus guaranteeing load current.

Anti-latch feature that stops system latchups when interlinking fire systems.

There are two contacts so two pole isolation switching is possible and one is fused so it's ideal for driving external lighting from a security control panel bell circuit.

Switches 8A at 250VAC changeover contacts.

There is also an LED to indicate when the coil is active.

Supplied in Red or White complete with matching backbox.



Order Code 500-0002 (RED)  
Order Code 500-0002 W (White)

#### Multifunction Relay

- UK Single gang form factor
- RED/White enclosure options
- **AC/DC Trigger voltages (8 to 42 volts)**
- Constant current loading (35mA)
- Built in series diode for bell circuits
- Hi Quality Rising clamp terminals
- Spare terminals for earth cables
- Covered 20mm fuse
- 2 X 8A changeover contacts
- One contact is fused
- Anti-latch feature for fire system interlinks
- Indicator LED
- Printed cover "RELAY INTERFACE"

Touch Button designed for access control systems. Built in timer makes ideal for hospital exit doors.

The switch uses piezo technology and has no moving parts and is electrically completely isolated from the user.

Built in adjustable timer to hold door open for user to leave

Input terminals for fire system interfacing and **additional conventional push buttons**



Touch switch for access control

- Piezo technology touch switch
- 12VDC operation
- 2 X 8A changeover contacts for switching
- Two LEDs (shows lock open & closed)
- Terminals for fire system input override
- Additional Manual button input terminals
- Adjustable Timer
- LED allows unit to be seen in the dark
- Optional Anti-bacterial plastic for use in hospitals and nursing homes.
- Optional deep backbox for conduit

**ORDERING INFORMATION;**

Order Code	500-600W	12V standard version
	500-610W	24V version

Add 'D' for deep back box

Add 'A' for Anti-bacterial plastic

EG

500-600WDA = 12V, White, Deep backbox and anti-bacterial plastic

TUBE SAFE is a protective cover for fluorescent lighting tubes. Made from polycarbonate material. It offers the ultimate protection by maintaining its shape and containing the damaged tube. TUBE SAFE is also re-usable.

A special venting system is used to stop tube stress during the turn off cycle of the lamp thus reducing lamp thermo-mechanical shock.

Tube efficiency is also improved by running the lamp at a slightly raised temperature generating more light for the same power input.

The standard lamp cover has a 20% block to UV radiation.

We also manufacture a range of technical sleeves suitable for use in museums, Bio-labs, Photo-labs, and vision systems. These sleeves filter or block selected areas of the electromagnetic spectrum.

Designer colours are available for producing dramatic coloured lighting effects that will enhance any hotel, shop, club or point of sale.

**FLUORESCENT TUBE PROTECTION TECHNOLOGY**



**TUBE SAFE fluorescent safety covers**

- Venting system
- Endcaps have ergonomic grip lines
- Standard and High temperature versions
- Safely contains glass and mercury
- Supplied with vapour safe wrap sleeve
- Available in designer colours
- Technical versions for special apps
- T5,T8,T12 sizes
- Re-usable



**TUBE SAFE Fluorescent tube cover order codes**

**Colour Ref. Description**

<b>102</b>	<b>Light Amber</b>	<b>378</b>	<b>Yellow Green</b>	<b>182</b>	<b>Light Red</b>
<b>020</b>	<b>Medium Amber</b>	<b>090</b>	<b>Dark Yellow Green</b>	<b>309</b>	<b>Special Straw</b>
<b>022</b>	<b>Dark Amber</b>	<b>008</b>	<b>Dark Salmon</b>	<b>111</b>	<b>Dark Pink</b>
<b>019</b>	<b>Fire</b>	<b>164</b>	<b>Flame red</b>	<b>010</b>	<b>Medium Yellow</b>
<b>251</b>	<b>¼ White Diffusion</b>	<b>021</b>	<b>Gold Amber</b>	<b>126</b>	<b>Mauve</b>
<b>128</b>	<b>Bright Pink</b>	<b>068</b>	<b>Sky Blue</b>	<b>058</b>	<b>Lavender</b>
<b>071</b>	<b>Tokyo Blue</b>	<b>325</b>	<b>Mallard Green</b>	<b>121</b>	<b>Evergreen</b>
<b>323</b>	<b>Jade</b>	<b>140</b>	<b>Summer Blue</b>	<b>009</b>	<b>Pale Amber Gold</b>

**200 Other colours and filters are available on request.**

**T5 Sleeves**

Power	Length	Part Number
4W	150mm / (6")	T504W
6W	225mm / (9")	T506W
8W	300mm / (12")	T508W
13W	525mm / (21")	T513W
14W	549mm / (2')	T514W
21W	849mm / (3')	T521W
28W	1200mm / (4')	T528W
35W	1449mm / (5')	T535W

**T8 Sleeves**

Power	Length	Part Number
15W	450mm / (18")	T815W
18W	600mm / (2')	T818W
30W	900mm / (3')	T830W
38WM	1000mm (1m)	T838WM
38W	1050mm / (3'6")	T838WI
36W	1200mm / (4')	T836W
58W	1500mm / (5')	T858W
70W	1800mm / (6')	T870W

**T12 Sleeves**

Power	Length	Part Number
20W	600mm / (2')	T1220W
30W	900mm / (3')	T1230W
40W	1200mm / (4')	T1240W
65W	1500mm / (5')	T1265W
75W	1800mm / (6')	T1275W
100W	2400mm / (8')	T12100W



Add 'CLS' for clear tubes, 'H' for high output tubes, the colour reference no. for coloured tubes, or 'UV' or 'UVG' for UV and UV Gold tubes.

12 Volt Smoke Detector designed for burglar alarms and vent applications.

The detector uses a Japanese made very low radiation ionisation chamber which is ideal for detection of small particle smoke and is not affected by the WEEE directive.

Two LEDs are provided for 360° visual indication of the alarm status.

PCB is conformably coated for environmental protection.

This product offers a very high quality smoke detection solution for systems designed around security control panels.



Order Code 500-900

12V Smoke Detector

- 0.12dBm Sensitivity
- 12VDC operation (10-15V)
- 1 X changeover relay contact
- Two LEDs for alarm indication
- High quality connection terminals
- Separate base
- Lockable (Allen key)
- Conformably coated PCB
- 20uA quiescent current





Call point designed for UK use. The unit is resettable (no glass to replace).

Versatile two pole switching, 470R+LED (similar to 680R) and clean contact normally open switch.

Supplied with reset key. Suitable for use with any conventional 24V fire alarm panel.



Order Code 500-950

**Manual callpoint**

- LED
- 470R resistance
- Spare normally open contact
- Plug-in connection block
- Mechanical flag indicator
- Attractive style
- Resettable
- Supplied with backbox & reset key
- Protective cover option



# NiCOLERT



Professional Cigarette Smoke Alarm System, designed to meet the needs of the UK anti-smoking legislation.

The System provides good proof of intent to refuse smoking within premises.

## Control Panel (Order Code 600-100)

1. Mains Powered
2. Four Detection Zones
3. 10 Detectors per zone
4. Built in Sounder (pulsed tone)
5. Security Key-switch reset control
6. Compact Double gang form-factor
7. Monitored zones (10K End of line Resistor)
8. Wiring via standard 4 core 7x0.2mm security cable
9. Complete with matching back-box and surface trunking adaptor
10. Printed with anti-smoking symbol
11. External Additional Reset input (matching button or key-switch reset units available)
12. External Additional Sounder Output (Enough to power for 4 sounder/strobe units)



Also compatible with the industry leading **Hochiki** range of Conventional smoke and flame detectors

## Cigarette Smoke Detector (Order Code 500-901)

1. Easy to wire base
2. Anti-tamper lock screw
3. Enhanced sensitivity to small particle smoke (cigarette smoke)
4. Dust cap for 1<sup>st</sup>/2<sup>nd</sup> fix installations
5. Attractive modern design
6. Printed with 2 colour anti-smoking symbol
7. Supplied with Anti-smoking label



## Sounder

1. 4 different selectable Tones
2. Volume control
3. Single gang form factor
4. Supplied with low profile backbox
5. Anti-smoking symbol, 2 Colour printing



## Sounder (Order Code 600-300)

### Sounder & Strobe (Order Code 600-310)

As Sounder above but with the addition of a 6 candle power LED strobe.

## Contractors KIT (Order Code 600-500)

- 1 x 4 Zone Control Panel
- 2 x Cigarette Smoke detectors
- 4 x Anti-smoking labels (Adhesive backed, 2 colour printing)
- 1 x 1.5mm Allen key (used to lock heads [anti-tamper])
- Back box and surface trunking adaptor
- Instruction leaflet



## LEGAL NOTICES

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