

# Fire Alarm Ancillaries

Remote LEDs • Relays • Isolators • Sounder Extenders

## BF318 REMOTE INDICATOR

A high quality LED indicator specifically designed for use in fire alarm systems. Incorporating a red LED that is clearly visible when active, its primary use is to indicate the activation of an out-of-sight smoke or heat detector or a fire alarm sounder circuit. Three inputs are provided 'OV', '+30V d.c.' and 'LED only'. If connecting to a current limited source (such as a detector) use the OV and LED only inputs. If connecting to a non-current limited source (such as a fire alarm sounder circuit) use the OV and +30V d.c. inputs. Can be mounted on a 16mm flush or surface UK single gang back box.



### SPECIFICATION

Current rating using 'OV' & 'LED only':	Depends on the type/make of detector
Current rating using 'OV' & '+30V Max':	10mA @ 30V d.c. (Max); 1.3mA @ 6V d.c. (Min)
Dimensions (WxHxD) / Weight	86 x 86 x 19mm / 72g (packed)

## BF376 24V 5A RELAY ON A PLATE

The BF376 is a general purpose, double-pole, polarised 24V 5A relay designed for use in 24V fire alarm systems. Incorporating a red LED which illuminates when the relay is active, it may be connected to a suitable control panel relay output or a standard polarised fire alarm sounder circuit to operate door retaining magnets, rollershutter doors, etc. Note, if connecting to a sounder circuit, the relay will return to its normal state when the fire condition is cleared or silenced. Always check with the approving authority that the proposed arrangement is acceptable before installation. Can be mounted on a 25mm flush or surface UK single gang back box.



### SPECIFICATION

Contact configuration:	Double pole changeover
Input coil voltage range:	18 - 30 V d.c.
Current consumption:	typically 30mA @ 24V d.c.
Contact rating @ 24V d.c.:	5A (resistive) 2A (inductive)
Contact rating @ 240V a.c.:	5A (resistive) 2A (inductive)
Contact material:	Silver Nickel.
Dimensions (WxHxD) / Weight:	86 x 86 x 28mm / 101g (packed)

## BF367 AUXILIARY DEVICE ISOLATOR

The BF367 allows a +24V d.c. output from a fire panel to be remotely isolated to prevent external equipment (such as autodiallers, rollershutter doors, etc) from operating - a particularly useful function during routine maintenance as it safeguards against the inadvertent triggering of auxiliary equipment. The unit incorporates an isolating keyswitch and amber LED. The switch circuit has been designed so that if monitoring is used on the +24V d.c. output being controlled, a fault condition will show at the fire panel when the BF367's keyswitch is 'ISOLATED'. Can be mounted on a 25mm flush or surface UK single gang back box.



### SPECIFICATION

Required current for fault LED	10mA @ 27.6V d.c.
Switch ratings	Non-switching current rating 5A Max. Switching Resistive load 3A @ 30V d.c. Switching Inductive load 1.5A @ 30V d.c.
Switch material	Silver plated brass.
Dimensions (WxHxD) / Weight	86 x 86 x 38mm / 109g (packed)

## BF366 24V 5A ISOLATABLE RELAY

The BF366 combines the functions of the BF376 relay and BF367 device isolator in one unit. It is a double-pole 24V 5A polarised relay with a keyswitch isolation facility allowing its relay operation to be temporarily disabled from the fire alarm signal during routine test and maintenance (to prevent autodiallers, water sprinklers, etc., from activating). Mountable on a 25mm flush or surface UK single gang back box, the relay is triggerable via a control panel's open collector output or a standard polarised sounder circuit. If connecting to a sounder circuit, the relay will return to its normal state when the fire condition is cleared or silenced. Check with the approving authority that the proposed arrangement is acceptable prior to installation.

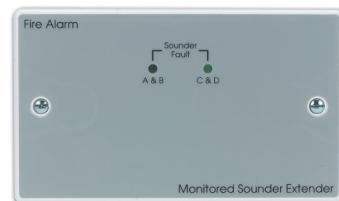


### SPECIFICATION

Contact configuration:	Double pole changeover
Input coil voltage range:	17 - 30 V d.c.
Current consumption:	typically 30mA @ 24V d.c. (relay activated)
Contact rating @ 24V d.c.:	5A (resistive) 2A (inductive);
Contact rating @ 240V a.c.:	5A (resistive) 2A (inductive)
Dimensions (WxHxD) / Weight	86 x 86 x 38mm / 138g (packed)

## FF502P UNIVERSAL 4 ZONE SOUNDER CIRCUIT EXTENDER

Supplied on a double gang plate and compatible with most fire alarm control panels, the FF502P provides four extra sounder circuits with open and short circuit fault monitoring, two external trigger inputs and one fault output trigger. Connection to C-TEC manufactured panels requires just 3 wires: 24V d.c., 0V & Sounder +Ve. The four sounder circuits may be configured as two pairs. Each pair can be triggered separately if required by switching one of two inputs to 0V. This can be useful for (a) separate 'zonal' fire outputs; (b) use as a monitored relay circuit to interface with a remote communicator or plant shutdown equipment, or (c) 'class change' facilities. A low current 'pull down' fault output trigger is also provided for driving external indicators or switching a relay via a transistor.



### SPECIFICATION

Supply voltage range:	15-30V d.c.
Quiescent drain @ 27V	<5mA (including monitor current)
Sounder Circuits:	4 sounder circuits each rated at 400mA
End of Line Resistors:	4 x 6k8 0.25 Watt
A/B & C/D Trigger inputs:	Pull down to 0V
Fault output:	Pulls down to 0V rated 5mA 2-30V
Dimensions (WxHxD):	146 x 86 x 20mm / 174g (packed)