

- * **Dual monitored outputs for driving sounders**
- * **Operates within 3 seconds when used with callpoints**
- * **Connects to ZP address loop**
- * **Software programmable for steady or pulsing outputs**
- * **Built-in fuses**
- * **External 24 Vdc power supply**

The Ziton ZP752-2 is a line device which provides two separate monitored 24 volt dc outputs. These may be used for operating sounders, or other devices. The ZP752-2 monitors both output lines for short circuit and open circuit, and also monitors the external 24 volt dc supply. Any fault is reported to the ZP control panel. Outputs can be operated in pulsing or steady modes.

DESCRIPTION

The ZP752-2 is an analogue addressable device which is operated by software instruction from the control panel. The outputs are programmed in the ZP5 panel, and the ZP752-2 can be software linked to operate from any sensor, callpoint, zone, or other device. The outputs can be software configured to activate in continuous or pulsing mode.

Upon initiation, both monitored sounder outputs from the unit are simultaneously activated. The two outputs are linked, and cannot be operated independently. Operation causes a red LED on the front of the unit to operate in sympathy with the relay.

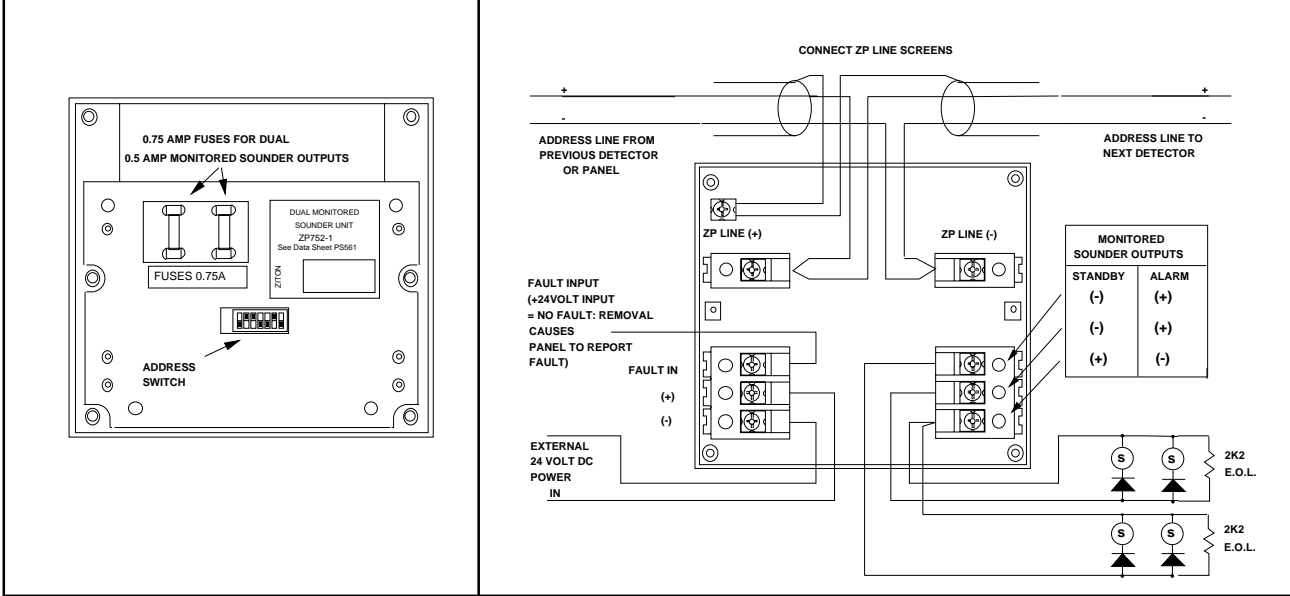
Output is 24 volts dc, obtained from an external power supply. This can be connected to either the panel's 24 volt supply, or to a separate battery and charger.

When programmed to operate from ZP callpoints, the response time to operation of the sounder is 3 seconds, which complies with BS5839.

The lines to the external sounders are monitored by means of a reverse polarity system, with an end-of-line resistor. The sounders connected to the line must be polarized. An open or short circuit occurring on the line reports a fault to the control panel, and causes a yellow LED on the front of the unit to illumine.

The ZP752-2 also monitors the 24 volt supply, as well as having a fault monitoring input to enable monitoring of an external battery and charger. When connected, loss of the 24 volt dc supply, or a fault with the battery, or a mains failure to the charger, is reported to the panel, registering an audible and visual fault signal.

The ZP752-2 plugs into a separate back box, enabling installation and wiring of the back box, prior to commissioning. Removal of the unit, or replacement with an incorrect type, indicates a fault signal at the panel.



APPLICATION

Wiring is done to terminals contained in the back section of the sounder unit as illustrated above.

Each output can provide up to 0.5 amp at 24 volts. Ensure that the 24 volt supply provided has an adequate capacity to supply the connected load. The outputs are each fused at 0.75 amp. Fuses are monitored, and the panel will give a fault signal if a fuse blows.

Sounders (or other connected devices) must be polarized as shown. If non-polarized devices are used, insert a 1N4002/7 diode in the positive leg of each device, with the stripe facing the device. For inductive loads (relays etc), fit a fly-back diode across the coil. Wiring must be looped from sounder to sounder terminating in a 2k2 end-of-line resistor at the last unit. Tee-offs are not permitted.

If a separate battery charger is used, then this should be arranged to give a 24V output under healthy conditions, with this voltage disappearing in the event of mains failure, battery low, or battery disconnected.

The front of the ZP752-2 incorporates a 7 way dip switch, which must be set to the desired address. From left to right, switches represent 1-2-4-8-16-32-64. Each switch represents its coded value when in the **on** position (up), and zero in the **off** position. All switches **on** are summed, enabling address settings from 1 to 127.

RESPONSE SPEED

If a response time of under 10 seconds is acceptable, then any number of ZP752-2 units can be connected to each ZP address loop, and located at any desired address from 001 to 127.

However, if a response is required in under 3 seconds, then a maximum of 16 ZP752-2 units can be connected to each ZP address loop, and these must be addressed in the range 001 to 016.

SPECIFICATION

Description:	Dual Monitored Output Unit
Model No:	ZP752-2
Part No:	13810
Design Specification:	BS5839
Type Identification:	45
External Supply Voltage:	22-30 volts dc
External Supply current:	Up to one amp as required
No of Outputs:	2
No of Inputs:	1 - Supply fault
Rated Output:	0.5 amp per output
Output Voltage:	24 volts dc (Nominal)
ZP Line Operating Voltage:	16-22 Vdc
ZP Line Current (Maximum):	700 μ A
Ambient Temperature:	-10 to +75 °C
Humidity:	20%-95%RH
Built-in LEDs:	
Fire	Red
Fault	Yellow
Size:	120mm x 120mm x 42mm
Weight:	310 gm
Colour:	White
EN60529 Rating:	IP 40

IMPORTANT

Ziton Ltd reserves the right to change specifications without notice in order to improve products or manufacturing methods. Although every effort is made to avoid errors we reserve the right to correct typographical, photographic, clerical or printing errors.

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