

Yellow Jacket Relay Expander Box Installation



1. Alarm control unit and relay box should be mounted close together. The ribbon cable should be fed out through the gap between the top cover and base on each unit.
2. Both units must be fed from the same mains supply. If a switch is fitted, it should control the power to the control panel and the expander unit.
3. Connect the relays in the expander box as you require to remote systems or sirens etc, Position 1 in the expander is the same as sensor position 1 on the alarm control PCB.

Operation

4. The relays in the expander box follow the LED status on the controller, i.e. yellow LED – low level will have the low level relay in the expander box live. Red LED – high level will have the high level relay in the expander box live.
5. Sensor faults only show as red LED's on the control panel (no siren on the relay operation). The fault relay will operate. No relay in the expander box will operate.
6. As long as a high level alarm condition is present at one or more of the sensors (i.e. a high level of gas is still present) both relays for the channel(s) will be on. If the alarm condition has cleared, and the alarm unit is a manual reset type, only the high level relay(s) will be on until the reset button is pushed.
7. While the panel is warming up, i.e. for the first 5 minutes or so, the relays on the expansion unit may change state briefly, before settling down. This is normal.

