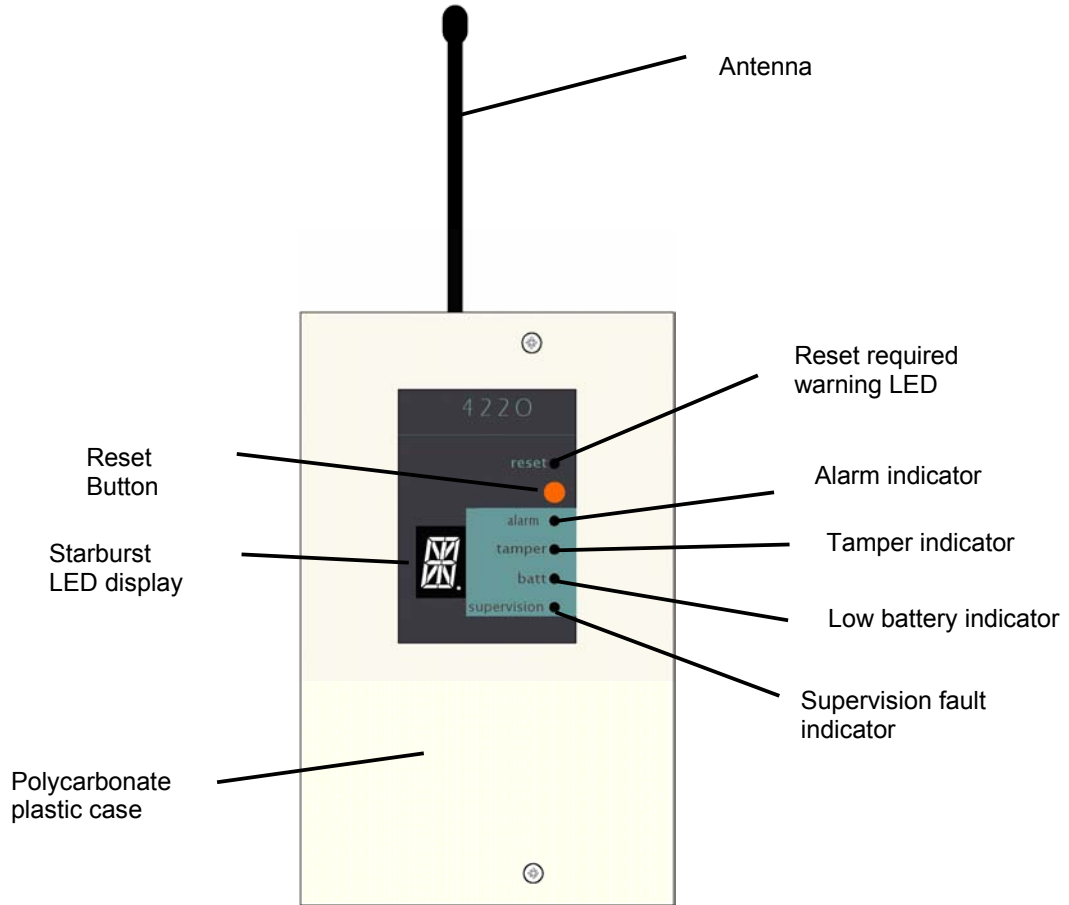




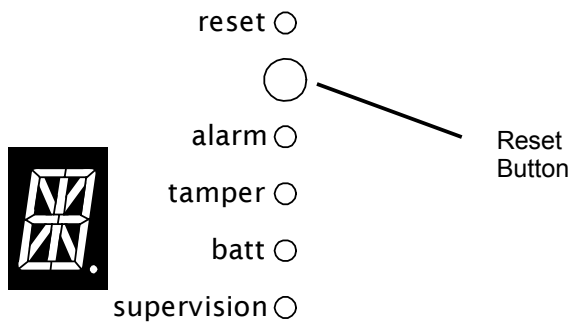
D4220 User Guide





User Displays and Controls

The user displays consists of 5 LEDs and a starburst LED display that can show alphanumeric characters, with a single reset button as shown below:



The front panel local reset button resets the event displays and relay outputs.

Classes of Events and Alarms Explained

There are three classes of events, summarised as:

ALARMS/TELEMETRY	TAMPERS	FAULTS
1) Door contact magnet removed from the reed (e.g. door opening) 2) Door contact alarm loop opened 3) PIR detector sensing movement 4) Any button pressed on the remote handheld controller 5) Any alarm loop opened on the 4 channel transmitter 6) Man down or panic alarm from the long range personal protection transmitter 7) Fire alarm from smoke detector 8) Water alarm from water detector	1) Door contact removed from its mounting surface or cover removed 2) PIR opened 3) 4 channel transmitter removed from its mounting surface or lid removed 4) Supervision ¹ tamper 5) D4220 receiver unit removed from its mounting surface or lid removed 6) D4221 expander unit removed from its mounting surface or lid removed	1) Radio device low battery 2) Radio jamming ² 3) Supervision ¹ fault

Notes

- 1) Supervision is where radio detectors send a periodic signal to check the radio system integrity, if no signals are received within 20 minutes a radio fault is registered, if no signals are received for 2 hours a radio tamper is registered.
- 2) Radio jamming or interference is registered if a radio signal is received continuously for 30 seconds or more without any sensible information being received.

First To Alarm Display

The First To Alarm display FTA is used to indicate the first area or device to detect an alarm, other alarms will not overwrite the display memory and it will be displayed until locally reset. Multiple faults can be displayed, but will always be overwritten by a FTA. If faults and alarms are detected the FTA will be shown and when reset (multiple) faults will then be displayed.

Reset Button

Pressing the reset button on the front panel resets the unit. If there are alarms and faults, the first display shown steadily will be the FTA. Pressing the reset button will clear the FTA display, allowing the display of the any faults. If there are multiple fault events the display will scroll through them, with a slight pause between each event allowing the user to note them. When all the alarm and fault displays are cleared a final key press will clear the reset pending LED. The remote reset input can only reset the relays and FTA displays; it cannot reset fault displays and the reset LED.

Reset LED

This LED indicates when a user reset is required to either clear the display or reset the output relays. The reset LED can only be reset from the front panel and not remotely. This is to indicate locally that there has been a past alarm registered although the unit has been remotely reset without the display being seen.

Pressing the reset button again when a subsequent key press has cleared the display, will extinguish the reset LED.

Alarm and Alarm LED

The LED indicates when alarm/telemetry event signals are received. The alarm relay can be reset locally and remotely or be controlled by the radio devices; the alarm display can only be reset locally.

Tamper and Tamper LED

The tamper LED indicates when a system tamper has been detected; the tamper relay will remain energised until reset or when the tamper is restored to normal. The tamper relay can be reset locally and remotely; the tamper display can only be reset locally. A lit tamper LED without an associated alphanumeric display indicates a unit tamper.

Batt LED

The batt LED displays a low battery condition in the system; the fault relay will remain energised until reset or when the low battery condition is restored to normal. The fault relay can be reset locally and remotely; the low battery display can only be reset locally. A lit batt LED without an associated alphanumeric display indicates unit low battery.

Supervision LED

The supervision LED indicates when a supervision fault has been detected; the fault relay will remain energised until reset or when supervision is restored to normal. The fault relay can be reset locally or remotely; the supervision display can only be reset locally.

Display Decimal Point

Indicates that the unit is working normally and the power is on.

Display Meanings

ALPHANUMERIC DISPLAY	reset	alarm	tamper	batt	supervision	MEANING
3-C-3-C	*	*				Alarm on channel 3, position C
2-F-T-2-F-T	*		*			Tamper on channel 2 position F
2-F-T--2-F-T	*					Previous tamper on channel 2 position F
3-A-L—3-A-L	*			*		Low battery on channel 3 position A
3-A-L—3-A-L	*					Previous low battery on channel 3 position A
6-H-S—6-H-S	*				*	Supervision fault on channel 6, position H (device missing for 20 minutes or more)
6-H-S—6-H-S	*		*		*	Supervision tamper on channel 6, position H (device missing for 2 hours or more)
6-H-S—6-H-S	*					Previous supervision fault or tamper on channel 6, position H
J	*					Radio Jamming or interference
---			*			Unit tamper on D4220 receiver or D4221 expander