

# ALPHANUMERIC DISPLAY UNIT

## PRODUCT DATASHEET



### Description

The Alphanumeric Display Unit (ADU) incorporates a 4-line by 20 character back-lit LCD which, when activated, will display up to 32 characters defining the precise location of an incident and the inclusion of a large screen with large characters provides increased visibility from a distance. On receipt of an alarm message the 3-digit address number of the activated addressable unit is displayed at the beginning of the first line and 'Zone' information is displayed at the beginning of the second line. Unless specified, the range will default to Z1 (Zone 1). The alphanumeric description of the location of the activated receiver is shown on the rest of the first two lines - 16 characters per line. Caller ID is also compatible with appropriate PITs, this will be shown on the top right of the unit's screen.

At the beginning of the third line, a message index and total is shown. The Display can respond to up to 10 messages simultaneously - these are held in an internal stack and the display scrolls through the stack repeatedly, showing each message for approximately 2 seconds a time - the first number shown is the message number in the stack, whereas the second number shown refers to the total number of messages. The rest of the third line displays the level of the current alarm call (EMERGENCY, ASSISTANCE or PATIENT CALL being the most common although other levels are available).

The beginning of the fourth line indicates when the display sounder is muted. If muted, a new, incoming alarm message will automatically re-enable the sounder - this helps ensure that the message will not be missed. The remainder of the fourth line can display the ID of the person who activated the alarm (Caller ID) - this can either be the individual's name or the number of their transmitter (PIT) depending on the system's configuration. This is not a standard feature of the INSTANTalarm® 5000 System and has to be specifically requested. The ADU can provide external sounder support to facilitate the connection of separate sounders/beacons and is also available with the addition of an integral sounder. A software mute button or keyswitch is available to mute the sound for both types of ADU. The sound pattern of the sounder varies to indicate different levels of call - continuous for Emergency, intermittent for other levels. In addition, the tone of external sounders can be pre-programmed to suit individual requirements.

The Display contains a configuration file called a 'message table'. This contains the addresses of all Receiver Units and descriptions of relevant locations in the INSTANTalarm® 5000 System. The descriptions for each address location are displayed by the ADU when an alarm message is received over the Data Bus from that address location. Displays, if configured appropriately, can also display system alerts from the SSU (Please see SSU Datasheet for more information).

Each unit should ideally be located at eye level and positioned to provide both audible and visual information of an alarm condition to all staff in the immediate area. Consideration should be given to the condition of the surface to which the ADU is to be mounted: it must be free from damp and moisture, not subject to any shock or vibration, and be secure enough to allow a good fixing for the unit.

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**INSTANT**<sup>®</sup>  
-5000- alarm



<b>Model No:</b>	I550, I550.1
<b>Power Source:</b>	12V to 13.8V DC
<b>Current Drawn:</b>	14mA quiescent state 18mA alarm state
<b>Size:</b>	Height 4.72" x Width 8.46" x Depth 1.61"
<b>Weight:</b>	30oz (1.9lb) (with sounder and surface mount backbox)
<b>Backbox:</b>	Backbox provided