EQUALITY ACT
FEATURES

**EQUALITY ACT (DDA) 2010
COMPLIANCE**

CAME ENTROTEC

CAME.COM/ENTROTEC

EQUALITY ACT FEATURES

EQUALITY ACT 2010

OVERVIEW

CAME Entrotec is a specialist manufacturer of door entry systems with Equality Act 2010 features. This legislation imposes a duty on landlords and management companies to ensure that people with disabilities are not disadvantaged at the point of entry to premises.

We provide local authorities, housing associations, new development private projects, schools and community centres with a wide range of solutions in order to ensure door entry systems are Equality Act 2010 compliant.

The visitor door entry call panel and resident proximity access control system must be easy to use by disabled persons. Large, illuminated, contrasting buttons, clear easily read display screens with instructions and call progress, standard English braille, visual and voice indication messages, tactile Proximity key readers are features to assist the use of the call panel together with tactile and pictorial systems on handsets all assist all users of the system. Equality Act (2010) compliance means that the service and system provided must not discriminate against people with disabilities. With this in mind a resident with a hearing or visual disability has the need and requirement to be able to hear, speak and open the door. Therefore, the system should ideally be a video system and not just an audio system to allowed the resident access to see who is calling and understand where the call is being generated from and by whom.

CALL PANEL FEATURES

Below we have listed the key features of our call panels which are standard in many cases. This included standard 0-9 keypad layouts for detail keypad system included an auto dial feature so that after a dwelling number has been entered there is no need to press the call button as the system will auto dial if the call button is not pressed in time.

STANDARD ENGLISH BRAILLE (GRADE II)
- CAME Entrotec can engrave standard English braille (grade II) on call panels to aid visually impaired users.
- Functional call panels using Vandal Resistant Buttons (VRB) or Pressure Sensitive Buttons (PSB). VRB buttons are moving buttons so have a tactile feel, where PSB buttons are non-moving. The braille on an Elite panel (pictured left) is engraved below each button with the dwelling number engraved to the left. The braille on an Apex / APX panel is engraved below the button as on the Elite but the numbers on the left-hand column of buttons is to the left of the button and on the right-hand column to the right of the button.
- The first image shows an Elite functional panel arrangement with VRB buttons.
- Digital style panels are available with PSB, VRB buttons with yellow contrasting rings or as a Digital Keypad with illuminated buttons.
- Digital style panels include an illuminated backlit digital keypad for enhanced visibility with illuminated numbers and back lit contrasting rings. Buttons are laid out as a standard telephone keypad with number "5" incorporating a pimple to locate the centre of the keypad. The image shown is of a digital keypad using VRB buttons with the pimple on the number 5 button and the numbers to the left of each button.
- "Cancel" and "Call" buttons on all panels are fitted to the left and right of the "0" button with the wording written in Title case directly below each button with the braille equivalent engraved under the wording. The image shown is using pressure sensitive buttons.
- Braille instructions and block name are also available as an option on all call panel styles.

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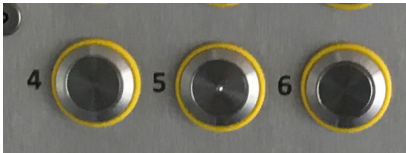
CALL BUTTONS WITH CONTRASTING YELLOW RINGS OR BUTTON ILLUMINATION

- We offer call panels with three types of buttons. Pressure sensitive non-moving buttons and vandal resistant moving buttons, together with the digital illuminated keypad buttons.
- All CAME Entrotec call buttons have yellow contrasting plastic washer rings fitted on the VRB or PSB buttons or on the digital keypad illuminated call panel an white LED contrasting for enhanced visibility of the button and to distinguish the stainless steel of the call buttons to that of the panel.
- Pressure Sensitive Buttons (PSBs) have a large diameter and no moving parts.
- PSBs are fully tested to IP68 and tested to over 50,000,000 operations.
- Vandal Resistant Buttons (VRBs) have a robust design offering added protection against vandalism yet still offer reliable tactile feedback of input.
- We can also offer digital key panels that have a robust design offering added protection against vandalism yet still feature reliable tactile feedback of input, but with a white back lit LED contrasting ring that is used in place of the yellow contrasting plastic washer which is often considered more aesthetic. The button numbers are also backlit together with pictorial back-lit number. Cancel and Call buttons showing a red cross and green telephone button. This meets the University of Stirling good practice guide for dementia friendly schemes.

ILLUMINATED OLED TEXT DISPLAY AND VOICE OVER MODULE

- An illuminated OLED text message display is fitted to functional and digital style call panels.
- This feature provides a clear visual indicator of call progress and system operation.
- The interactive messages together with a welcome message and Instructions include the following, "Calling", "Speak Now", "Door Open", "Call Waiting"
- Programmable for project specific messages including the block name and the number range that can be called and any site information the client requires. Up to 16 characters over two lines.
- Options include: add Voice of Modules (VOM) to speak the operation of the call panel, e.g. "Calling flat 10" repeating the interactive message. In addition to add a VOM which can speak up to four languages selectable using the scroll button. The panel will always revert back to English ready for the next user.
- On video systems the OLED display window also offers a wide-angled panel camera to capture the caller at 1m to either side of the call panel and persons over 6ft or wheelchair users.
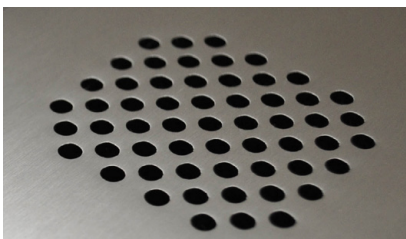
SPEAKER AMP GRILL

- The speaker amp on our door panels provides distinct and clear two-way audio with a grill at the top of the panel with a separate microphone at the bottom of the panel.
- Delivers an audio indication of calling with an adjustable volume, controlled reassurance tone and a door open tone.
- Voice annunciation of button presses and call progress also available.

CONTRASTING PROXIMITY READER

- CAME Entrotec has a range of proximity readers available, each protected by a bright white and blue polycarbonate lexan window to enhance contrast with the stainless steel of our door panels to aid visually impaired users.
- Our proximity readers also include a raised tactile key symbol and LED indicator in order to distinguish its location together with an audio indication that the door is open.

SYSTEM ACCESSORIES

EQUALITY ACT 2010

EQUALITY ACT DOOR ENTRY ACCESSORIES

CAME Entrotec also supplies a range of Equality Act system accessories in addition to our door panel features to complement your project's requirements.

HANDSETS & APARTMENT STATIONS

- All CAME Entrotec handsets are Equality Act compliant and dementia friendly with large pictorial symbols and buttons with LED indication. Our handsets are manufactured to fit aftermarket lifting hooks that aid users with disabilities to lift the handset and answer calls. Video handsets can be used for users with hearing loss or special needs need to see the caller. The handset will present the visual display and callers' image when ringing before the call is answered so that a resident knows a call is being made to them and can make an informed choice on answering the call.
- We supply hands free apartment stations that do not have a lift up handset receiver. Residents can press the call answer button and have hands free conversions with the visitor.

CAMERAS

- Panel Mount Cameras are available and display the image of the caller and their location prior to answering the call. The panel camera is used for facial recognition as well an IP/A dome cameras to provide a detailed view of full door entrance area for residents, both images are displayed on the video handset and sequence every 4 seconds.

BEACONS

- A beacon with an amber xenon strobe light to aid hearing impaired users and a sounder with integrated LED's for visually impaired users are available to indicate to a resident when a handset is ringing.

PUSH TO EXIT BUTTONS

- Our Push to Exit buttons have large tactile 28mm buttons which include a yellow ring for contrasting ring to distinguish the button face and plate. We also offer a button with an illuminated LED ring. Illuminated RED when idle and turning GREEN when operated.

INDUCTION LOOPS

- Induction Loops can be fitted above or below the door panel for use with a hearing aid switched to the "T" position allowing the visitor to hear amplified speech.
- Induction Couplers are offered for handsets speaker replacements for use with a hearing aid switched to the "T" position allowing the resident to hear amplified speech through the handset.

OTHER ACCESSORIES

- Interfaces to third party equipment such as mountcastle systems and wireless door transmitters that hear the handset calling and trigger other third-party equipment.
- Radio receivers and transmitters for automatic door operation triggers for both entry and exit. Radio transmitters are available in 1, 2 or 4 button numbered versions.

Typical Equality Act 2010 (DDA) flat with multiple handsets in line with the Hagitag wheelchair design guide.

Living room   Main bedroom   Kitchen/Hallway
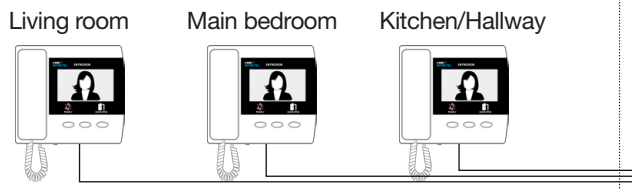
- We supply systems for M4(3)(2)(a) Adaptable dwellings which will cater for a single handset usually located in the hall with additional feature marshalling handset controllers and cabling provided for future handsets in the living room and master bedroom so that a flat can be adapted to full M4(3) without having to add additional equipment other than the extra handsets.
- We supply systems for M4(3)(2)(b) Fully Accessible dwellings which will cater for handsets usually located in the living room and master bedroom to meet Part M. Additional handsets are also sometimes located within the hall in larger flats.

EQUALITY ACT SYSTEM CALL PANEL SPECIFICATIONS

- The call panel shall meet the University of Stirling's good practice guide for dementia-friendly schemes and shall be Equality Act compliant. The call panels shall have a voice annunciation module that will speak the system operation. It shall have contrasting white LED illuminated rings around the buttons. The buttons shall have a tactile feel so there is contrast. The keypad shall be a standard layout with the number 1 button at the top left of the keypad with a pimple on the number 5 button to centre the standard 0-9 keypad layout. The keypad shall auto dial once the number has been entered so that there is no need to find and press the call button. The button numbers shall be illuminated. The call and cancel button shall be illuminated and marked with a pictorial green telephone and red cross symbols, respectively. The words "Call" and Cancel" shall be laser etched below the buttons with braille equivalent below the words.
- The systems shall have a duplex speech unit with an M4(3) audio and visual OLED display showing system indication and operation. Call panels shall have M4(3) requirements and features.
- Engraving shall be limited with instruction being on the OLED display. Any wording shall be 6mm laser etched in black.
- Block names shall be within the OLED display.

EQUALITY ACT CALL PANELS

APEX TYPE 17 DOOR ENTRY PANEL

INTEGRAL PANEL COLOUR CAMERA
- Provides wide angled view and facial recognition of visitors at the call panel.
- Provides a visual indication of caller at door panel for hearing impaired residents.

OLED MESSAGE DISPLAY
- Provides clear, visual system instructions and message displays with block name and flat number range together with interactive call progress messages for hearing impaired users including: "Calling Flat", "Call Answered Speak Now", "Door Open" and "Call Waiting"

MICROPHONE
- Provides clear separate speech located in the bottom of the panel.

PROXIMITY READER
- To aid visually impaired users the proximity reader has a pictorial symbol that is fitted and protected behind a bright white polycarbonate lexan window with a contrasting raised blue key symbol for enhanced contrast. The reader has changing LEDs: red for locked, green for door open, and flashing red/green LEDs if the token is not recognised.

SPEAKER AMP GRILL
- Distinct and clear two-way audio, calling tone, and door open buzzer indicating call progress for visually impaired and elderly users. Located at the top of the call panel.
- Voice over module as an option to speak the operations to visually impaired.

KEYPAD
- Illuminated keypad with white LED contrasting rings for visually impaired.
- Illuminated White Tactile 0-9 buttons for use in low light and to assist visually impaired. Large numbers to assist visually impair in daylight.
- Illuminated pictorial cancel button with red cross.
- Illuminated call button with green telephone.
- Pimple on the number "5" button for keypad centralisation.
- Auto dial function as standard so call button does not need to be pressed.

STANDARD ENGLISH BRAILLE (GRADE II)
- Approved by the Royal National Institute for the Blind.
- On digital style panels such as the one shown, buttons are laid out as a standard telephone keypad with the number 5 incorporating a pimple to centre the button numbers.
- Braille "Cancel" and "Call" buttons are fitted left and right of the "0" button to aid visually impaired users.
- On functional panels the braille numbering is engraved below each call button with the number engraved to the left and right the button.
- Braille instructions and block name are also available.

EQUALITY ACT CALL PANELS

APEX TYPE 23 DOOR ENTRY PANEL

PROXIMITY READER
- To aid visually impaired users the proximity reader has a pictorial symbol that is fitted and protected behind a bright white polycarbonate lexan window with a contrasting raised blue key symbol for enhanced contrast. The reader has changing LEDs: red for locked, green for door open, and flashing red/green LEDs if the token is not recognised.

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