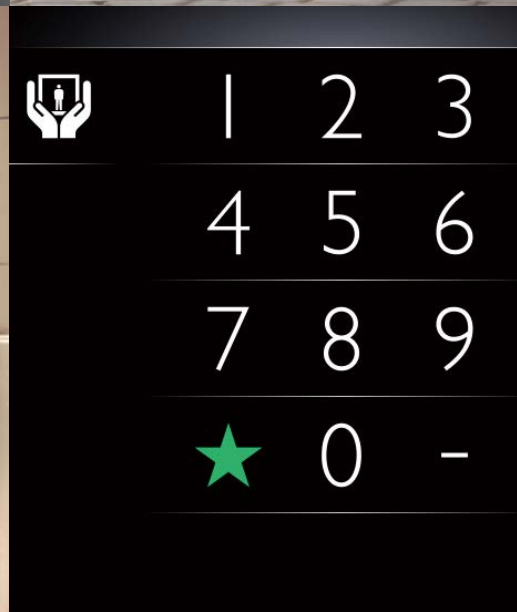


User Friendly & Comfortable Design EN81-70:2018-compliant



Convenient features ensuring compliance with EN81-70:2018

1 Push Buttons

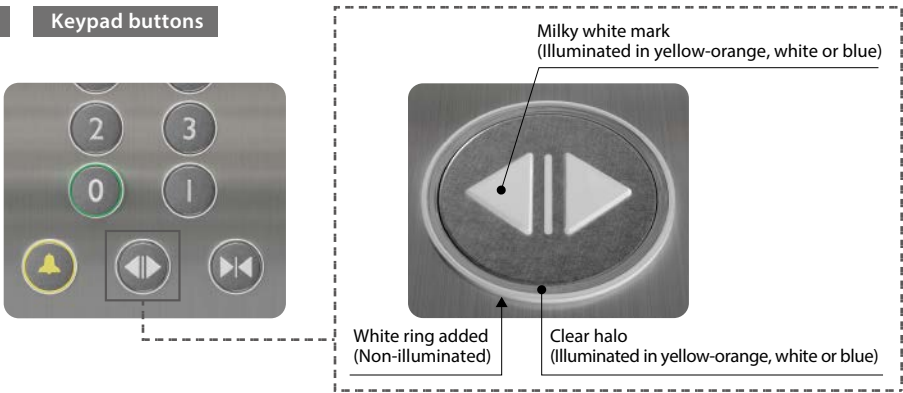
Luminance contrast

White ring

Standard buttons (Dia. 33mm)

Keypad buttons

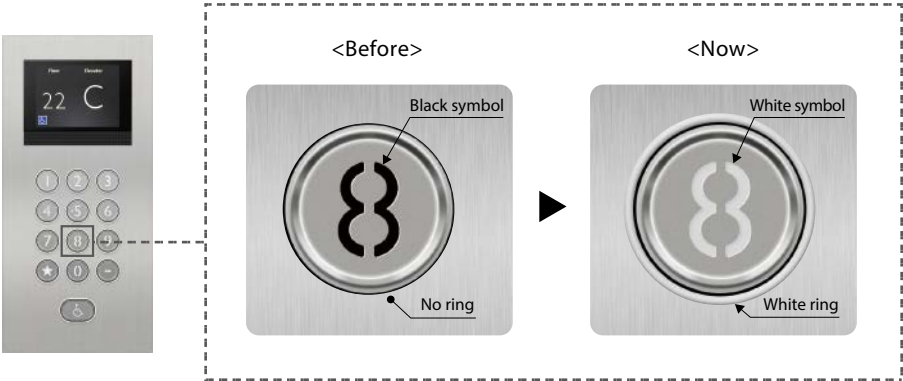
EN81-70:2018 requires that luminance contrast between adjacent surfaces shall be evaluated in numerical light reflectance value (LRV). The white ring added around the car and hall buttons provide a stark luminance contrast to the surrounding faceplate.



Symbol color

Keypad buttons

The color of the symbol on keypad buttons has been changed from black to white to increase luminance contrast.



2 Enhanced Visibility of Landing Control Devices

Luminance contrast

Faceplate frame

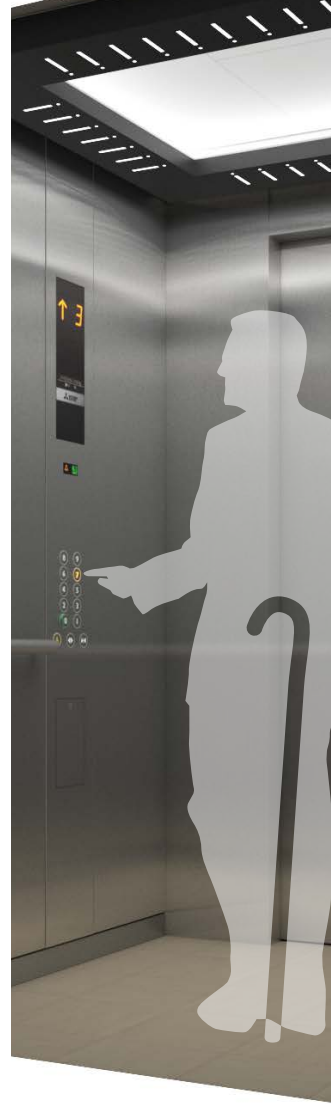
The LRV requirement also applies to landing control devices. A faceplate frame has been added for landing control devices such as hall button panels, hall position indicators. The frame draws a clear border between the panels and building wall.



Hall button



Hall position indicator and buttons



3 For Destination Oriented Allocation System (DOAS)

(1) Touch screen design

Hall operating panels for DOAS

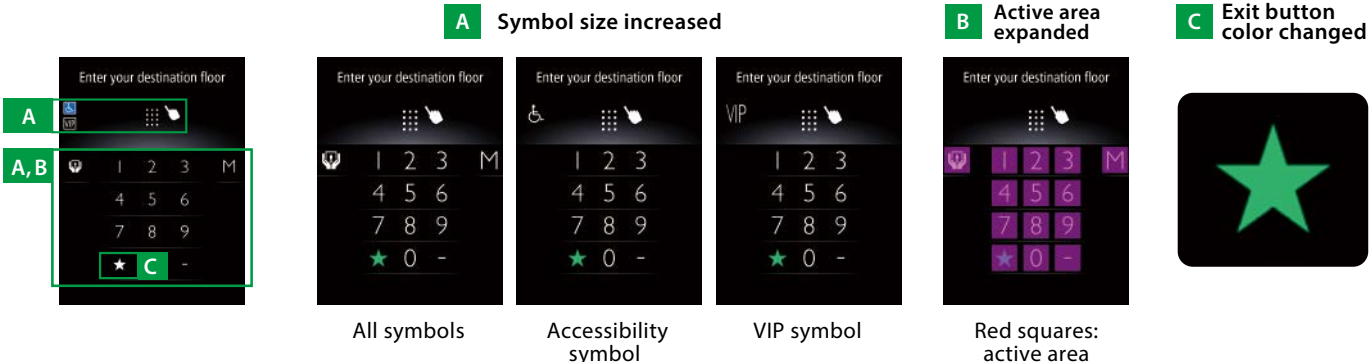
Symbol height, active area, exit button color, and other features

The newly designed touch screen complies with the additional EN81-70:2018 requirements while simultaneously providing enhanced usability.



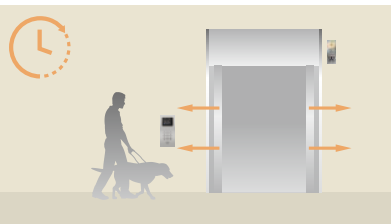
<Before>

<Now>

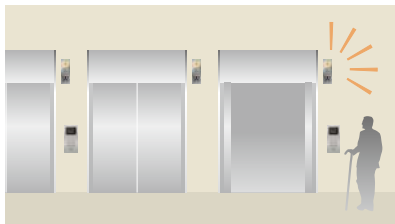


(2) Accessibility button features

When an accessibility button in an elevator hall is pressed...



Door dwell time is extended.



A car adjacent to the relevant control device is assigned.



An announcement identifying the car assigned (e.g. "Elevator A") is played and repeated until just before the car door begins to close.

■EN81-70:2018 major updates and practical measures

Major subclause and summary of statements			Measures
5.1.2 Minimum difference of light reflective value (LRV) Where luminance contrast between adjacent surfaces is required the difference in light reflectance value [LRV] shall comply with Table 2.			
Table 2	Item	Min. LRV point difference	Viewing angle
	Button to surrounding	30	45° above horizontal
	Faceplate to surrounding	30	Perpendicular
	Symbols on push buttons to active areas (background)	30 (60 recommended)	45° above horizontal
	Lift identification to background *At landings	30 (60 recommended)	Perpendicular
			See ΣAI-2200C brochure.
5.4.2.3.5 Car control devices for collective control systems The car operating panel shall be located on the side wall as follows: c) when the car width exceeds 1600mm a car operating panel shall be provided on both side walls of the car.			See Design Guide brochure.
5.4.3.1.2 Landing control devices for destination control systems An accessibility button shall be provided. The accessibility button shall initiate the audible information according to 5.4.3.3 b). It shall allocate a car adjacent to the relevant control device or alternatively shall extend the door dwell time of the allocated car.			3 (2)
5.4.3.1.3 Landing control devices for destination control systems Where touch screens are used, they shall comply with Annex C. Annex C a) The display screen shall be capable of providing a luminance of at least 300 cd/m². The background design shall be solid and static. b) 1) the requirements on the button size and operation feedback for mechanical buttons apply; 2) the exit button shall be preferably green 5) the distance between active parts of buttons shall be at least 5mm. c) The requirements on the arrangement of general landing control devices, excluding vertical button arrangement, apply; f) Upon activation of the accessibility button, the following sequence shall be followed: 1) sequential announcements of available destinations 2) selection of the destination by a subsequent operation of the accessibility button or by operation of the relevant touch button.			3 (1)
5.4.3.3 Landing signals for destination control systems Landing signals shall meet the following requirements: a) the selected floor and allocated lift shall be confirmed with a visible signal. After operation of the accessibility button, the visible signal shall be displayed for the duration of the associated voice announcement; b) the selected floor, the allocated lift and its location shall be confirmed with a voice announcement which shall be activated by the accessibility button; c) each lift shall be marked individually (e.g. A, B, C etc.). d) if accessibility button has been activated, the allocated lift shall identify itself with an audible signal or with a voice announcement (e.g. lift A), when being available for the passenger;			See ΣAI-2200C brochure.


■Key features

Electrical features

Feature	Abbreviation
Car Arrival Chime	AECH
Multi-beam Door Sensor	—
Sonic Car Button — Click Type	ACB
Sonic Hall Button — Click Type	AHC
Voice Guidance System	AAN-G


Signal fixtures

▶ Car position and direction indicator

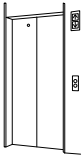


▶ Illuminated arrow at landing

① for single lift: substituted by car direction indicator



② for the lifts in the group: hall lantern will be provided



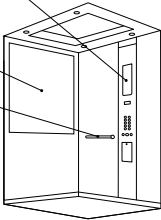
Car design

▶ Finishes and accessories

Car operating panel (COP) at side wall

Mirror

Handrail at COP side



▶ Car size

Type	Capacity (kg)	Dimensions (mm)	Door width (mm)
1	450	1000 (W) x 1300 (D)	800
2	630	1100 (W) x 1400 (D)	900
3	1000	1100 (W) x 2100 (D)	
4		1600 x 1400	1100
5	1275	2000 x 1400	



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

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Visit our website at:
<http://www.MitsubishiElectric.com/elevator/>

⚠ Safety Tips: Be sure to read the instruction manual fully before using this product.