

COMMANDER™

TOUCH CAR OPERATING PANEL

DISABILITY CODE COMPLIANCE

COMMANDER™ Touch Elevator Car Operating Panels offer a stylish and innovative alternative to traditional mechanical push buttons. It is, however, necessary to ensure that elevator cars meet the required disability and accessibility standards as defined by various regulatory bodies in the USA.

COMMANDER™ achieves this by teaming the touch screen with auxiliary mechanical control buttons and keypads to provide a complete solution for prestigious North American buildings.

Emergency controls are grouped at bottom of panel
Center point of lowest control button is 35" from floor

Codes:
ADA: 407.4.6 ICC/ANSI: 407.4.6.4
 407.4.6.1 407.4.6.4.2
 308.2
 309.4

Single raised dot on Number 5 key (0.118" - 0.120" base diameter, 0.025"-0.037" height)

Codes:
ADA: 4.7.2 ASME: E-9.5
 Table 703.3.1

Star indicates the main entry floor

Codes:
ASME: E-9.5

Codes:
ADA: 407.4.6.3 ICC/ANSI: 407.4.6.3
 703.5.1 407.4.7.2
 703.5.2 703.2.2
 703.5.5 703.2.3
 703.5.7 703.2.4
 703.5.7 703.2.6
ASME: E-9.5 703.2.10
 E-20.4.2 707.5
 E-20.4.3.2
 E-20.4.3.3
 E-20.4.3.4
 E-20.4.3.7
 E-20.4.3.7

Standard telephone arrangement
Non-glare finish
Characters contrast with background
Character height of 16mm
Buttons are 22.5mm x 22.5mm



SMD4042-01



125 Ricefield Lane
Hauppauge, NY 11788
Phone: 631 864-3699 • 800 527-9156
Website: www.januselevator.com
E-mail: sales@januselevator.com

Parameter	ASME A17.1-2007 / CSA B44-07 Appendix E	Keypad	ICC/ANSI A17.1-2003 Accessible and Usable Buildings and Facilities	Keypad	2010 ADA Standards for Accessible Design	Keypad
Layout	Standard telephone	E-9.5	Standard telephone	407.4.6.3 and 707.5	Standard telephone	407.4.6.3
Button size	0.75inch (19mm) smallest dimension	E-9.5	0.75 inch (19mm) smallest dimension	407.4.6.2.1	Not defined	
Button height	0.06inch (1.5mm) raised minimum	E-9.5	Raised or flush	407.4.6.2	Not defined	
Distance between buttons	Not defined		Not defined		Not defined	
Feedback	Not defined		Not defined		Not defined	
Operating force	Not defined		Not defined		Operable by one hand, shall not require tight grasping, pinching or twisting of wrist. Force to activate 5 pounds (22.2N) maximum	309.4
Braille	Not required	E-9.5	Not required		Not required	
Character height	0.5 inch (13mm) minimum and meet clause E20.4	E-9.5	0.625 inch (16mm) minimum	703.2.4	16mm minimum	703.5.5
Character position	Centre of button	E-9.5	Centre of button	407.4.7.2	Centre of button	407.4.7.2
Number 5 key	Single raised dot	E-9.5	Single raised dot	407.4.7.2	Single raised dot	407.4.7.2
Dot base diameter	0.118 to 0.120 inch (3-3.05mm) and table E20.5	E-9.5	0.118 to 0.120 inch (3-3.05mm)	407.4.7.2	0.118 to 0.120 inch (3-3.05mm)	407.4.7.2
Dot height	Min 0.6mm, Max 0.8mm	E-9.5 and Table E-20.5	Min 0.025 (0.6mm), Max 0.037 inch (0.9mm)	407.4.7.2	Min 0.025 (0.6mm), Max 0.037 inch (0.9mm)	Table 703.3.1
Five pointed Star	Used to indicate main entry floor	E-9.5	Star appearing on lower left key as per Table 407.4.7.1.3	407.4.7.2	Not defined	
Finish and contrast	Non glare. Characters to contrast with background, either light on dark or dark on light.	E-20.4.2	Non glare. Characters to contrast with background, either light on dark or dark on light.	703.2.10	Non glare. Characters to contrast with background, either light on dark or dark on light.	703.5.1
Surface	Not defined		Not defined		Not defined	
Character Case	Upper and/or lower	E-20.4.3.2	Upper and/or lower	703.2.2	Upper and/or lower	703.5.2
Character Style	Conventional, not italic, oblique script, highly decorative or unusual	E-20.4.3.3	Conventional, not italic, oblique script, highly decorative or unusual	703.2.3	Conventional, not italic, oblique script, highly decorative or unusual	703.5.2
Character Width	55% min, 110% max the height of character. Width based on uppercase O, height based on uppercase I.	E-20.4.3.4	55% min, 110% max the height of character. Width based on uppercase O, height based on uppercase I.	703.2.5	Not defined	
Character Stroke thickness	10% min, 30% max. the height of character. Based on uppercase I.	E-20.4.3.5	10% min, 30% max. the height of character. Based on uppercase I.	703.2.6	10% min, 30% max. the height of character. Based on uppercase I.	703.5.7
Character Spacing	Between individual characters 10% min, 35% max. of character height. Spacing is between two closest points between each character excluding spaces between words. Spacing between baseline of separate lines of characters shall be 135% min., 170% max. of character height.	E-20.4.3.6	Between individual characters 10% min, 35% max. of character height. Spacing is between two closest points between each character excluding spaces between words. Spacing between baseline of separate lines of characters shall be 135% min., 170% max. of character height.	703.2.7	Between individual characters 10% min, 35% max. of character height. Spacing is between two closest points between each character excluding spaces between words. Spacing between baseline of separate lines of characters shall be 135% min., 170% max. of character height.	703.5.8
Character Height from floor	1220mm Max.>16 slops Max., 1370mm, from floor to baseline of character. Character height based on uppercase I.	E-20.4.3.7	Visual characters indicating car controls shall not be required to comply with 703.2.9	703.2.9	Visual characters indicating car controls shall not be required to comply with 703.5.6	703.5.6
Min lateral distance to corner wall	Not defined		Not defined		Not defined	
Inclination	Not defined		Not defined		Not defined	
Reach Ranges	Not defined		Forward reach unobstructed 48 to 15 inches (1220 to 380mm) above finish floor or ground	308.2.1	Forward reach unobstructed 48 to 15 inches (1220 to 308.2.1 380mm) above finish floor or ground	308.2.1

Notes:
1. The Parameters are specific to a keypad in an elevator as referred to by the standards.
2. The column under Keypad references whether in our opinion it meets the requirement as specified.