



ELEVATOR CONTROL PANEL

General Features

- Microcontroller based SMD designed Main Control board.
- Optically isolated inputs and outputs with LED indication.
- 8 Stop Down Collective.
- DN / UP Collective (LM007)
- Collective Selective (LM007)
- On board Seven Segment Display.
- Attendant service / Self service selection option.
- Automatic off for Car Lighting and Fan.
- In-built voice annunciator as well as door open buzzer facility.
- High/Low Voltage detection/fluctuation protection available (optional).
- Easy to select desired floor, terrace, basement and so on.
- Controller can be interfaced with any VVVF drive.



Additional Features

- Same panel may use as All Reed (Per Floor or 3 Reed (Car Top).
- Any type(NO / NC) Limit Switch & Stop Button may use.
- Only 12V SMPS used for easy maintenance.
- Dual type transformer for Single Phase / Two Phase input.
- Emergency Stop (Base Block) & Maintenance speed terminals are ready.
- There is no risk of buffering at high speed
- No Neutral is required for panel operation
- ARD terminal is available for operation in ARD mode.
- Only single call will attend when gate lock will become short.
- Extra two level safety (limit switch) may use.
- 3 Phase line (input) indication LED.
- Panel range starts from G+7





Model No. & Specifications

Model No. LM010

Door Type	: Manual
Reed Type	: Per Floor / Car Top
Multi Speed	: Yes
DOB	: In-built
Voice Card	: Optional
Floor	: G+7

Model No. LM006

Door Type	: Auto
Reed Type	: Per Floor / Car Top
Multi Speed	: Yes
Voice Card	: Compulsory
Floor	: G+7

Model No. LM007

Door Type	: Manual / Auto (Pre defined)
Reed Type	: Programmable
Multi Speed	: Yes
Voice Card	: In-built
Password Lock	: Available
Running Counter	: Available
Floor	: G+7





Elevator Control Panel (V3F) Terminal Details

Model No. LM010

Manual Door / G+7 floor

Terminal No.	Description	Terminal No.	Description
1	UP / DN Limit Switch [NC] (Panel OFF)	32	DN Slow / Floor Reed 3
2		33	Floor Reed 4
3	UP Direction / UP Final	34	Floor Reed 5
4	DN Direction / DN Final	35	Floor Reed 6
5	Display A	36	Floor Reed 7
6	Display B	37	Reed COM (-12V)
7	Display C	38	Car Push Button 0 with LED Supply 0
8	Display D	39	Car Push Button 1 with LED Supply 1
9	Display E	40	Car Push Button 2 with LED Supply 2
10	Display F	41	Car Push Button 3 with LED Supply 3
11	Display G	42	Car Push Button 4 with LED Supply 4
12	Display COM (+12V)	43	Car Push Button 5 with LED Supply 5
13	Brake Supply 110V DC (+)	44	Car Push Button 6 with LED Supply 6
14	Brake Supply 110V DC [-]	45	Car Push Button 7 with LED Supply 7
15	Car Gate 110V AC In	46	LED UP Arrow
16	Car Gate 110V AC Out	47	LED DN Arrow
17	Landing Gate 110V AC In	48	Car Push Common (-12V)
18	Landing Gate 110V AC Out	49	LED COM (+12V)
19	R. CAM 110V DC (+)	50	Landing Push Button 0 with LED Supply 0
20	R. CAM 110V DC (-)	51	Landing Push Button 1 with LED Supply 1
21	Auto / Attendant	52	Landing Push Button 2 with LED Supply 2
22	Door Buzzer	53	Landing Push Button 3 with LED Supply 3
23	Drive Stop (Door Zone) [NO]	54	Landing Push Button 4 with LED Supply 4
24	Stop (-12V)	55	Landing Push Button 5 with LED Supply 5
25	ARD (-12V at ARD mode)	56	Landing Push Button 6 with LED Supply 6
26	Inspection UP	57	Landing Push Button 7 with LED Supply 7
27	Inspection DN	58	Landing Push Common (-12V)
28	Inspection Common	59	Speaker
29	UP Reed / Floor Reed 0	60	
30	DN Reed / Floor Reed 1	61	Auto Fan 220V AC
31	UP Slow / Floor Reed 2	62	

DIP Switch-1 Settings (for Floor)								
Switch	G+1	G+2	G+3	G+4	G+5	G+6	G+7	B+G+--
SW 1	ON	OFF	ON	OFF	ON	OFF	ON	--
SW 2	OFF	ON	ON	OFF	OFF	ON	ON	--
SW 3	OFF	OFF	OFF	ON	ON	ON	ON	--
SW 4	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON

DIP Switch-2 Settings (for System)				
SWITCH POSITION	(SW 1) STOP BUTTON TYPE	(SW 2) LIMIT SWITCH TYPE	(SW 3) REED TYPE	(SW 4) GATE LOCK TYPE
ON	NO	NC	CAR TOP	EXCEL
OFF	NC	NO	PER FLOOR	OTIS

VFD Connection Details

Ferrule	R. Y. B	U. V. W	DBR	BK1, BK2	FWD	REV	CC	HSPD	MSPD	BB
TOSHIBA	L1, L2, L3	U, V, W	PA & PB	FLA, FLC	F	R	CC	S1	VI	S2
INOVANCE	R, S, T	U, V, W	+ & PB	P/A, P/C	DI1	DI2	COM	DI3	DI5	DI6



Elevator Control Panel (V3F) Terminal Details

Model No. LM006

Car Top Reed Auto Door G+7 floor

Terminal No	Description	Terminal No	Description	Terminal No	Description
1	UP / DN Limit Switch [NC] (Panel OFF)	26	Inspection Common	51	Landing Push Button 6
2		27	UP Reed	52	Landing Push Button 7
3	UP Final Limit Switch [NC]	28	DOWN Reed	53	Landing Push COM (-12V)
4	DOWN Final Limit Switch [NC]	29	UP Slow	54	LED Supply 0
5	Display A	30	DOWN Slow	55	LED Supply 1
6	Display B	31	UP Direction	56	LED Supply 2
7	Display C	32	DOWN Direction	57	LED Supply 3
8	Display D	33	No Connection	58	LED Supply 4
9	Display E	34	No Connection	59	LED Supply 5
10	Display F	35	Reed COM (-12V)	60	LED Supply 6
11	Display G	36	Car Push Button 0	61	LED Supply 7
12	Display COM (+12V)	37	Car Push Button 1	62	LED UP Arrow
13	Brake Supply 110V DC [+]	38	Car Push Button 2	63	LED DOWN Arrow
14	Brake Supply 110V DC [-]	39	Car Push Button 3	64	LED COM (+12V)
15	Car Gate 110V AC In	40	Car Push Button 4	65	Auto Fan 220V AC
16	Car Gate 110V AC Out	41	Car Push Button 5	66	
17	Landing Gate 110V AC In	42	Car Push Button 6	67	Door Open Push Switch
18	Landing Gate 110V AC Out	43	Car Push Button 7	68	Door Close Push Switch
19	Auto / Attendent	44	Car Push COM (-12V)	69	Door Open Limit Switch
20	Door Buzzer	45	Landing Push Button 0	70	Door Close Limit Switch
21	Drive Stop (Door Zone) [NO]	46	Landing Push Button 1	71	Door Sensor
22	Stop 12V (-) [NO]	47	Landing Push Button 2	72	REV (Door Drive)
23	ARD [-12V at ARD mode]	48	Landing Push Button 3	73	FWD (Door Drive)
24	Inspection UP	49	Landing Push Button 4	74	CC (Door Drive)
25	Inspection DOWN	50	Landing Push Button 5		

Ferrule	R, Y, B	U, V, W	DBR	BK1, BK2	FWD	REV	CC	HSPD	MSPD	BB
TOSHIBA	L1, L2, L3	U, V, W	PA & PB	FLA, FLC	F	R	CC	S1	VI	S2
INOVANCE	R, S, T	U, V, W	+ & PB	P/A, P/C	DI1	DI2	COM	DI3	DI5	DI6



Elevator Control Panel (V3F) Terminal Details

Model No. LM007

Manual Door (Programmable Reed) G+7 floor

Terminal No	Description	Terminal No	Description	Terminal No	Description
1	UP / DN Limit Switch [NC] (Panel OFF)	22	Door Buzzer	43	Car Push Button 5 with LED Supply 5
2		23	Drive Stop (Door Zone) [NO]	44	Car Push Button 6 with LED Supply 6
3	UP Direction / UP Final Limit Switch [NC]	24	Stop 12V (-) [NO]	45	Car Push Button 7 with LED Supply 7
4	DN Direction/DOWN Final Limit Switch [NC]	25	ARD [-12V at ARD mode]	46	LED UP Arrow
5	Display A	26	Inspection UP	47	LED DN Arrow
6	Display B	27	Inspection DOWN	48	Car Push Common (-12V)
7	Display C	28	Inspection Common	49	LED Common (+12V)
8	Display D	29	UP Reed / Floor Reed 0	50	Landing Push Button 0 with LED Supply 0
9	Display E	30	DOWN Reed / Floor Reed 1	51	Landing Push Button 1 with LED Supply 1
10	Display F	31	UP Slow / Floor Reed 2	52	Landing Push Button 2 with LED Supply 2
11	Display G	32	DOWN Slow / Floor Reed 3	53	Landing Push Button 3 with LED Supply 3
12	Display COM (+12V)	33	Floor Reed 4	54	Landing Push Button 4 with LED Supply 4
13	Brake Supply 110V DC [+]	34	Floor Reed 5	55	Landing Push Button 5 with LED Supply 5
14	Brake Supply 110V DC [-]	35	Floor Reed 6	56	Landing Push Button 6 with LED Supply 6
15	Car Gate 110V AC In	36	Floor Reed 7	57	Landing Push Button 7 with LED Supply 7
16	Car Gate 110V AC Out	37	Reed COM (-12V)	58	Landing Push Common (-12V)
17	Landing Gate 110V AC In	38	Car Push Button 0 with LED Supply 0	59	Speaker
18	Landing Gate 110V AC Out	39	Car Push Button 1 with LED Supply 1	60	
19	R. CAM 110V DC (+)	40	Car Push Button 2 with LED Supply 2	61	Auto Fan 220V AC
20	R. CAM 110V DC (-)	41	Car Push Button 3 with LED Supply 3	62	
21	Auto / Attendent	42	Car Push Button 4 with LED Supply 4		

VFD Connection Details

Ferrule	R, Y, B	U, V, W	DBR	BK1, BK2	FWD	REV	CC	HSPD	MSPD	BB
TOSHIBA	L1, L2, L3	U, V, W	PA & PB	FLA, FLC	F	R	CC	S1	VI	S2
INOVANCE	R, S, T	U, V, W	+ & PB	P/A, P/C	DI1	DI2	COM	DI3	DI5	DI6