

HEDEFSAN[®]
ASANSÖR KONTROL SİSTEMLERİ

User Manuel

LIFT CONTROL SYSTEMS

TECHNICAL SPECIFICATION

Input Feed

Input feed voltage	20VAC±%10
Max. Power used	10W (control circuit) + Motor power
Feed protection	Fuse protection (8A)

Motor Output

Motor voltage	24VDC
Motor output flow	Maximum 8A
Motor control type	Overload and short circuit protection
Motor protection	4 zone control

Encoder Input

Encoder type	2 channel incremental encoder
Encoder resolution	Any model between 100-5000 pals
Encoder voltage	5VDC

Input Signal

Speed inputs of door controller	Door open signal, Door close signal
Other Inputs	Photocell signal, NDG signal

Battery Connection

Battery power	2x12V / 1.2Ah Battery
Built-in battery charger	Available
Battery protection	Insurance protection

Operation Limits

Door width	40 cm – 200 cm
Motor power	Maximum 200W
Door open-close speed	5 cm/s – 0,50 cm/s
Door open-close slow speed	1 cm/s – 20 cm/

TERMINAL KEY NAMES

Motor Terminal	Motor Output
Card feed input	18-24 VAC feed input
Battery Terminal	Battery + tip - Battery – tip
Encoder Terminal	
A	Encoder impact inputs terminal (A channel)
B	Encoder impact inputs terminal (B channel)
GND	Feed for Encoder (-)
+5V	Feed for Encoder (+5V)
Door Speed Terminal	
COM	Common tip for speed signal
OPEN	Input for open signal
CLOSE	Output for open signal
SLOW	Low speed signal input
FAST	High speed signal input

LEDS ON CARD AND EXPLANATION

LED	Status	Explanation
5V	On ●	+5V voltage on. (Processor feed.)
	Off ●	+5V voltage off.
15V	On ●	+15V voltage on. (Motor driver circuit voltage.)
	Off ●	+15V voltage off.
24V	On ●	+24V voltage on. (Motor feed)
	Off ●	+24V voltage off
E.5V	On ●	+5V encoder feed on
	Off ●	+5V encoder feed off.
KAT	On ●	At floor signal on.
	Off ●	At floor signal off.

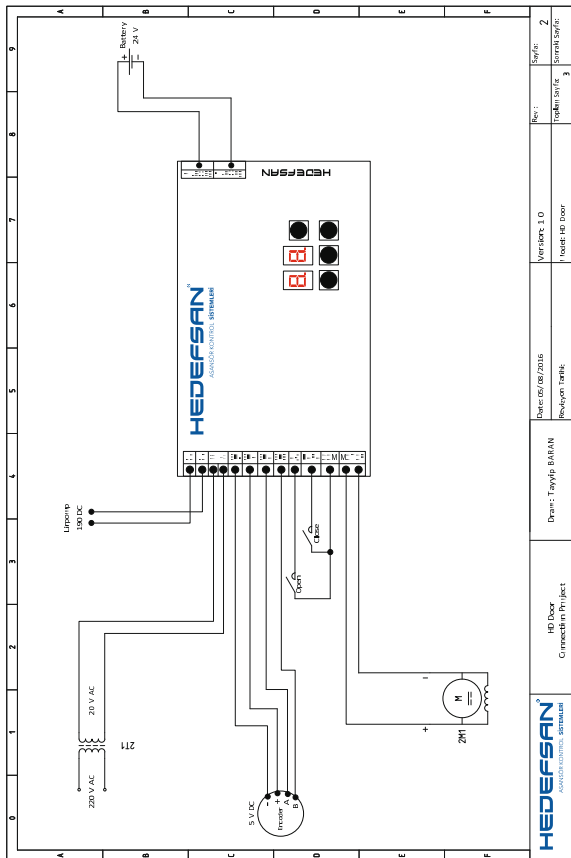
General Warning

- The tension of the feed input of the card must be between 18- 24VAC over 24VAC it could cause damage on feed card.
- The transformer for the AC feed should be chosen with appropriate power it is recommended that the transformer is chosen at least 10-15 VA bigger than the motor power.
- Door motor should be with reductor 24 VDC motor power should be at most 240 W.
- +5 feed two channel (A and B channel) ,100-500pals encoder must be used it can't operate with single channel it is useful to use an encoder with high resolution.
- According to E81 when in emergency stop, revision and reverse modus the automatic doors will not move and will stay in its position. For this reason, the pump signal won't be allowed to operate. This operation type is only used in old elevators or in elevators where the standards can't be applied EN-81'e göre, maksimum durağan kapanma gücü 150N ile sınırlıdır. Çok yüksek değerlerde ayarlanmış kapama gücü ciddi yaralanmalara neden olabilir.
- According to EN-81 maximum inert closing power is limited to 150N. A to high setting of the closing power could cause serious injuries.
- The voltage of the singal inputs on the door cards should not exceed 28VDC.
- The door card is not a safety circuit setup for this reason the programmable output on the card should not be used as a safety circuit.
- **HEDEFSAN®** can't be held accoun table for financial damage, injuries or deaths caused due to a faulty installation or user mistake. The defects caused by this reason will not fall under the warranty coverage.

Key	Explanation	Factory Setting	Max. Value	Min. Value
CH	CLOSE HIGH SPEED	40	50	5
CL	CLOSE SLOW SPEED	1	10	1
CA	CLOSE ACCELERATION RAMP	1	3	0
CD	CLOSE DECELERATION RAMP	30	50	1
CU	CLOSE SLOW AREA	1	15	1
CT	CLOSE SCOOP WAY	3	20	0
CF	CLOSE SCOOP SPEED	1	10	1
CR	CLOSE PRESSURE	20	60	10
CN	CLOSE HOLD PRESSURE	40	99	0
OH	OPEN HIGH SPEED	40	50	5
OL	OPEN SLOW SPEED	1	10	1
OA	OPEN ACCELERATION RAMP	1	5	0
OD	OPEN DECELERATION RAMP	25	90	1
OU	OPEN SLOW AREA	3	20	1
OT	OPEN SCOOP SPEED	1	20	0
OF	OPEN SCOOP SPEED	1	10	0
OR	OPEN PRESSURE	5	50	10
ON	OPEN HOLD PRESSURE	30	99	0
EP	ENCODER PALS RATIO	2		
FU	OPERATION FUNCTION	1	0.Full Automatic 1.Cabin Door 2.Demo Mode	

Identify Door

- Manually bring the automatic door to middle position
- Press down on exit key for 3 seconds.
- At first it must move toward opening direction if movement direction is reverse then change the direction of motor. If motor direction is correct it will measure the door size in closing direction.



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