

M1000

AC ELEVATOR DRIVE

THE INDUSTRY'S **MOST RELIABLE** HARDWARE PLATFORM,
USER-FRIENDLY INTERFACE, AND **EASIEST** SET-UP



MAGNETEK
ELEVATOR

Magnetek's proven technical expertise, plus our superior customer service, are why we're the world's leading source of innovative, built-to-last elevator drives.

Magnetek's M1000 offers:

- Elevator-specific application software
- Parameter layout
- Controller interface common with other Magnetek elevator drives
- Parameter naming in common elevator terminology

M1000 is designed for more than 70,000 hours of maintenance-free operation, making it the ideal choice for new installations or modernization projects.

Now M1000 has the same easy and familiar set up as Magnetek's Quattro® and HPV® drives.



NEW! ONLINE SIZING TOOL

Try our simple online Sizing Tool to easily find the right drive for your elevator application. Input a few simple parameters to retrieve a specific model number to best fit your requirements.



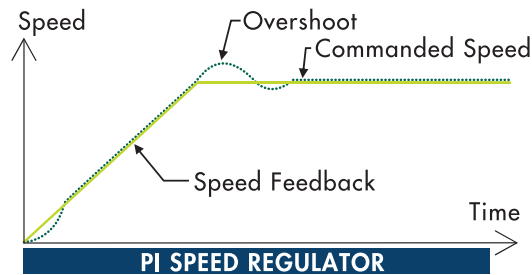
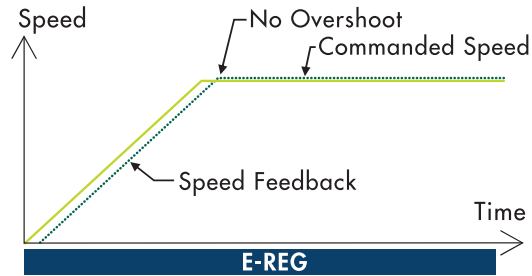
SPEED REGULATOR (E-REG)

Magnetek's unique elevator speed regulator, E-Reg, is specifically designed to handle elevator applications. E-Reg is easy to set up and provides the high performance you have come to expect from Magnetek's elevator drives.

E-REG BENEFITS

- Improved speed change transitions
- Elimination of overshoot seen with traditional P/I regulators

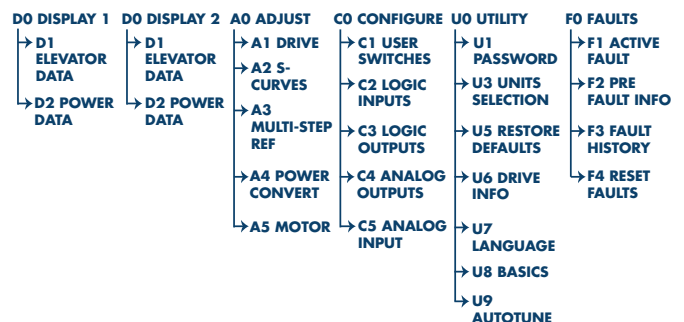
Only TWO Parameters to Adjust:
RESPONSE AND INERTIA



DUAL OPERATOR

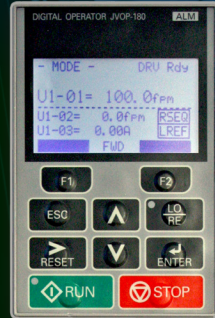
The Dual Operator option allows users to choose how to select their preferred menu navigation and enables you to set up your M1000 to best suit the application. One option includes the standard JVOP operator. A restructured LED menu system is also available. Updated keystrokes mirror those found in Magnetek's HPV® and Quattro® drives for a familiar arrangement. Intuitive parameter structures and navigation reduce set-up time.

MENU/SUB-MENU TREE STRUCTURE





DUAL OPERATOR



JVOP OPERATOR



LED OPERATOR

OPTIONS

- EMC FILTER
- ENCODER FEEDBACK: INCREMENTAL (PG-F3), ENDAT (PG-X3)
- THREE ENCODER OPTIONS

PRODUCT DATA

- CONTROL METHODS
 - IM/PM Closed-Loop Control
 - IM Open-Loop and V/F Open-Loop Control
- CERTIFICATIONS: CE, UL, CSA
- AVAILABLE I/O
 - 8 Multi-Function Digital Inputs
 - 2 Multi-Function +/- Analog Inputs
 - 3 Multi-Function Relay Outputs
 - 2 Multi-Function Photo-Couple Outputs
 - 2 Multi-Function +/- VDC Analog Outputs
 - 1 Safe Disable Input
 - 1 Safety Electronic Device Monitor
- NETWORK COMMUNICATION: STANDARD: RS-422/485; CANOPEN
- KEYPAD OPERATOR: STANDARD LCD WITH COPY FUNCTION OR MAGNETEK OPERATOR

REGEN AC™ AND DYNAMIC BRAKING ADD-ONS

Any time an AC motor is overhauled by the drive load, excess energy is generated and fed back to the inverter. This energy must be properly handled to avoid drive faults or possible equipment damage. Choose between our regenerative RegenAC Braking Product and non-regenerative CDBR Braking Module options to best suit your application.

Dynamic Braking Modules (CDBR)

Voltage	Models	Dynamic Braking Capabilities (Amps)
200V	05P00671-1603 (2022D)	60
	05P00671-0105 (2037D)	80
	05P00671-1612 (2055D)	125
	05P00671-1604 (2110D)	250
400V	05P00671-1605 (4030D)	40
	05P00671-0103 (4045D)	60
	05P00671-1607 (4090D)	100
	05P00671-0159 (4220D)	250
600V	05P00671-0106 (5037D)	40
	05P00671-0161 (5110D)	100
	05P00671-0162 (5300D)	250

RegenAC Regenerative Braking

Voltage	Models	Current Rating
200V	R1000-230-0100	10
	R1000-230-0150	15
	R1000-230-0200	20
	R1000-230-0300	30
	R1000-230-0400	41
	R1000-230-0500	50
	R1000-230-0600	60
	R1000-230-0800	83
	R1000-230-1000	102
	R1000-230-1500	153
400V	R1000-230-2000	209
	R1000-230-3000	306
	R1000-460-0050	5
	R1000-460-0075	8
	R1000-460-0100	11
	R1000-460-0150	16
	R1000-460-0200	22
	R1000-460-0250	27
	R1000-460-0300	32
	R1000-460-0400	43
	R1000-460-0500	54
	R1000-460-0600	66
	R1000-460-0750	81
	R1000-460-1000	110
	R1000-460-1500	161
R1000-460-2000	237	
R1000-460-3000	326	
R1000-460-4500	466	

M1000 RATINGS

Rated Input Voltage	Model	Continuous Rating (Amps)	Peak ¹ (Max accelerating current for 5 sec in Amps)	Stall ² (Max stall current for 3 sec in Amps)	DB (Max internal dynamic braking in Amps) (Minimum resistance)	Height (in)	Width (in)	Depth (in)
200-240 VAC	LU2M0018DAC-D01	17.5	26.5	23	25	10.2	5.5	6.5
	LU2M0025DAC-D01	25	39.5	33	25	10.2	5.5	6.5
	LU2M0033DAC-D01	33	54.5	46	42	10.2	5.5	6.5
	LU2M0047DAC-D01	47	74	62	42	11.8	7.1	7.4
	LU2M0060DAC-D01	60	99	84	42	13.8	8.7	7.8
	LU2M0075DAC-D01	75	134.5	106	42	13.8	8.7	7.8
	LU2M0085DAC-D01	85	155.5	120	62.5	15.7	9.8	10.2
	LU2M0115DAC-D01	115	186	162	62.5	17.7	10.8	10.2
	LU2M0145DAC-D01	128	233	180	n/a	21.7	12.8	11.1
	LU2M0180DAC-D01	158.5	289.5	223.5	n/a	21.7	12.8	11.1
	LU2M0215AAC-D01	189	315	267	n/a	27.8	17.7	13
	LU2M0283AAC-D01	249	387	351	n/a	27.8	17.7	13
	LU2M0346AAC-D01	304	556	429	n/a	31.5	19.7	13.8
	LU2M0415AAC-D01	365	651.5	515	n/a	31.5	19.7	13.8
380-480 VAC	LU4M0009DAC-D01	9	14	12	25	10.2	5.5	6.5
	LU4M0015DAC-D01	15	23	20	25	10.2	5.5	6.5
	LU4M0018DAC-D01	18	31	25.5	25	10.2	5.5	6.5
	LU4M0024DAC-D01	24	43	34.0	40	11.8	7.1	7.4
	LU4M0031DAC-D01	31	55	44	40	11.8	7.1	7.4
	LU4M0039DAC-D01	39	63	55	42	13.8	8.7	7.8
	LU4M0045DAC-D01	45	82	63.5	42	15.7	9.8	10.2
	LU4M0060DAC-D01	60	106	85	42	17.7	10.8	10.2
	LU4M0075DAC-D01	75	114.5	106	n/a	20.1	12.8	10.2
	LU4M0091DAC-D01	91	127	127	n/a	20.1	12.8	10.2
	LU4M0112DAC-D01	92	141	129.5	n/a	21.7	12.8	11.1
	LU4M0150DAC-D01	123	185	173.5	n/a	21.7	12.8	11.1
	LU4M0180AAC-D01	148	250.5	208	n/a	27.8	17.7	13
	LU4M0216AAC-D01	177	269	250	n/a	31.5	19.7	13.8
500-600 VAC	LU5M0010DAC-D01	10	18	14	13	10.2	5.5	5.8
	LU5M0013DAC-D01	12.5	22.5	17	13	11.8	7.1	7.4
	LU5M0017DAC-D01	17	31	23	20	11.8	7.1	7.4
	LU5M0022DAC-D01	22	40	30	20	13.8	8.7	7.8
	LU5M0027DAC-D01	27	49	37	25	13.8	8.7	7.8
	LU5M0032DAC-D01	32	58	46.5	33	17.8	10.8	10.2
	LU5M0041DAC-D01	41	74.5	59.5	33	17.8	10.8	10.2
	LU5M0052DAC-D01	52	92.5	73	n/a	21.7	12.8	11.1
	LU5M0062DAC-D01	62	92.5	87.5	n/a	21.7	12.8	11.1

Note: All ratings are based on an 8 KHz carrier frequency

¹ Peak ratings are based on motor frequencies equal to or above 6 Hz

² Stall current ratings are based on motor frequencies of less than 3 Hz



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E L E V A T O R

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