

LnTOR-D7

**The technology
DC Drive with
features that excite ...**

- 36 Digital and Analog I/O combinations
- Unique, inbuilt shaft position controller
- Intelligent overload protection
- Large 40 character alpha-numeric display
- Inbuilt Configuration Checker
- Ultra compact size - Less panel space
- The most powerful Digital DC drive in the market today

**Introducing the drive
of your dreams**



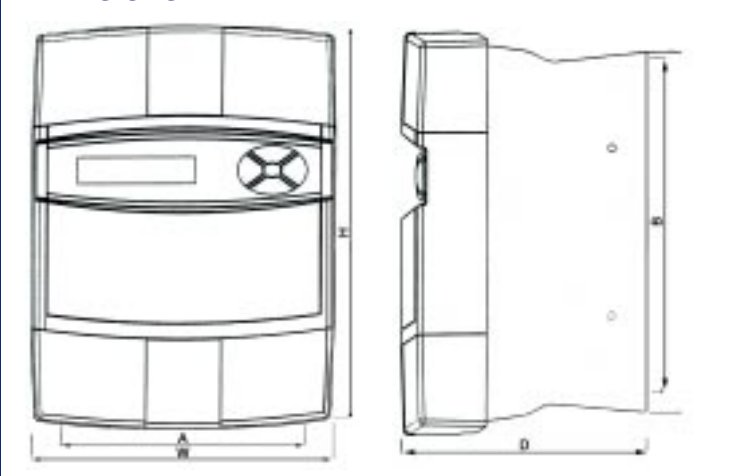
LARSEN & TOUBRO LIMITED

STANDARD SPECIFICATIONS

2 Quadrant	PL5	PL10	PL15	PL20	PL30	PL40	PL50	PL65	PL85	PL115	PL145	PL185	PL225	PL265
4 Quadrant	PLX5	PLX10	PLX15	PLX20	PLX30	PLX40	PLX50	PLX65	PLX85	PLX115	PLX145	PLX185	PLX225	NA
Applicable motor output (KW)	5	10	15	20	30	40	50	65	85	115	145	185	225	265
Rated output current - Arm (A)	12	24	36	51	72	99	123	155	205	270	330	430	530	630
Rated output current - Field (A)	8						16				32			
Maximum output voltage - Arm	1.1 Times input AC supply													
Maximum output voltage - Field	0.9 Times input AC supply on terminals (EL1, EL2, EL3)													
Main supply voltage - Armature	3-phase, 12-480VAC +/- 10 %, 50-60Hz													
Aux. supply voltage - Field/Sync	3-phase, 100-480v AC +/- 10 %, 50-60Hz													
Control supply voltage	1-phase, 110-240V AC +/- 10 %, 50-60Hz													
Speed Control Range	1:100 with tacho feedback													
Steady State Accuracy	0.01% with Encoder Feedback with Digital Reference , 0.1% with Analog tacho , 2.0% with Arm-voltage feedback													
Overload Capacity	150% rated output current for 25 seconds													
Field Configuration	Constant voltage mode , Constant current mode , Field economy mode , Delayed field quencing mode													
Protections	Instantaneous overcurrent, Field failure, Field overcurrent, Motor over-temperature, Thyristor stack over-temperature, Mains supply phase loss, Mains synchronisation loss, Armature over voltage, Stall protection, Standstill protection, Thyristor trigger failure, Overspeed, Tacho and/or encoder failure with auto change-over to arm voltage feedback, All analog and digital outputs are short circuit protected													
Universal input	Universal input : 8 nos All configurable, either analog inputs or digital inputs Input voltage range : +/- 5 / 10 / 20 / 30V													
Analog output	Analog output : 4 nos Configurable : 3 nos, 1 no. dedicated for armature current Output voltage range: +/- 10V													
Digital Input	Digital Input : 9 nos. Configurable : 5 nos Dedicated : 4 nos													
Digital Input/output	Digital Input/output : 4 nos All configurable, either digital inputs or digital outputs													
Digital output	Digital output : 3 nos													
Potential free contact output	Dedicated 2 NO contacts for main relay													
Standard Functions	Spindle orientation, Auto tune arm current loop, Full suite of centre winding macro's, Batch counter, Current profiling verses speed, Motorised pot, PID : 2nos, Summer : 2nos, Delay timer, Comparator: 4 nos, Change over switch: 4 nos, Linear Ramp, S Ramp, Jog / Crawl functions, Slack take-up, Draw control, Dual Motor Swap, 3 user programmable drive configurations													
Monitoring	All analog input voltages, All digital input states, All analog output voltages, All digital output states, Tachogenerator voltage, Motor armature current, Motor field current, Motor armature voltage, Motor armature power, AC supply voltage													
Alarm Status	First fault latched and automatically displayed, Fault automatically saved at power off													
Networking Options	Networking options for integrated drive systems													
Software Tool	The PL PILOT is highly intuitive windows based graphical configuration and diagnostic tool for use with LnTOR Drive													
Environment	Maximum operating temperature: 60°C Storage temperature: -25 to +60°C													

Note : Rated output currents are at 50°C ambient temperature

DIMENSIONS



Dimensional Details (mm)

MODEL	W	H	D	A	B	MASS Kgs
PL/PLX 5-50	216	289	174	175	228	5
PL/PLX 65-145	216	410	218	175	390	11
PL/PLX 185-265	216	505	294	175	390	17

For further information, please contact



Control & Automation-Product LARSEN & TOUBRO LIMITED

Automation Systems Centre
TTC Electronic Zone,
Shil Mahape Road,
Navi Mumbai 400 701
Tel. : 91-22-768 3511/ 790 1401
Fax : 91-22-761 1590
www.automation4me.com

Mumbai
Tel.: 022-768 3511, 790 1401
Fax: 022-761 1590
e-mail: cna-avn@asc.ltindia.com

Baroda
Tel.: 0265-341171, 0265-340813
Fax: 0265-336184
e-mail: cna-dvs@bar.ltindia.com

New Delhi
Tel.: 011-593 1302/8, 541 9530
Fax: 011-546 1939, 543 8624
e-mail: cna-vvj@nro.ltindia.com

Bangalore
Tel.: 080-558 3613, 558 3628
Fax: 080-559 6397
e-mail: mjk-bng@bng.ltindia.com

Kolkata
Tel.: 033-282 2301
Fax: 033-282 7587, 1025
e-mail: cna-jkc@ero.ltindia.com

Hyderabad
Tel.: 040-323 7400, 323 5078
Fax: 040-324 2356
e-mail: mky-c&a@hyd.ltindia.com

Chennai
Tel.: 044-846 0141, 846 0979
Fax: 044-846 1788
e-mail: cna-sd@sro.ltindia.com