

Base modules



LRD10...
LRD12...



LRD20R D024 P1

Order code	Auxiliary supply voltage	In/Out ^①	Qty per pkg	Wt
			n°	[kg]
Base modules.				
LRD12R D024	24VDC	8/4 relay	1	0.241
LRD12T D024	24VDC	8/4 transistor	1	0.220
LRD20R D024	24VDC	12/8 relay	1	0.360
LRD20R D024 P1 ^②	24VDC	12/8 relay	1	0.360
LRD12R A024	24VAC	8/4 relay	1	0.250
LRD20R A024	24VAC	12/8 relay	1	0.368
LRD10R A240	100-240VAC	6/4 relay	1	0.242
LRD20R A240	100-240VAC	12/8 relay	1	0.367
LRD20R D012	12VDC	12/8 relay	1	0.252

^① Inputs/Outputs.
^② With RS485 onboard.

General characteristics

FUNCTIONS

- Addition-Subtraction on variables
- Multiplication-Division on variables
- Comparator on variables
- HMI display for parameter viewing and programming
- PWM output
- High speed input (1kHz)
- PID function
- Multiplexer
- Analog ramp
- Register transfer (numerical variables and status)
- Shift function
- Boolean logic blocks
- LRD20R D024 P1 with RS485 port onboard.

Operational characteristics

- 8A lth current relay outputs for AC and DC versions
- 0.3A 24VDC transistor outputs for DC version
- 0-10V analog inputs for DC version
- Version: modular for mounting on 35mm DIN rail (IEC/EN 60715) or M4x15mm screw fixing
- Type of terminal: Screw
- IEC degree of protection: IP20.

Certifications and compliance

Certifications obtained: UL Listed, for USA and Canada (cULus - File E300049), as Programmable Controllers. Compliant with standards: IEC/EN 61131-2, UL508, CSA C22.2 n°142.

Expansion and communication modules



LRE...

Order code	Auxiliary supply voltage	In/Out ^①	Qty per pkg	Wt
			n°	[kg]
Expansion and communication modules ^② .				
LRE02A D024	24VDC	2 analog outputs 0...10V/0...20mA	1	0.160
LRE04A D024	24VDC	4 analog outputs 0...10V/0...20mA	1	0.160
LRE04P D024	24VDC	4 PT100 temp. sensor inputs	1	0.160
LRE08R D024	24VDC	4/4 relay	1	0.171
LRE08T D024	24VDC	4/4 transistor	1	0.151
LRE08R A024	24VAC	4/4 relay	1	0.180
LRE08R A240	100-240VAC	4/4 relay	1	0.180
LRE P00		Modbus-RTU protocol communication unit	1	0.134

^① Inputs/Outputs.
^② The expansion modules are supplied with connector for base module.

INPUTS/OUTPUTS REFERENCE TABLE

BASE MODULES				BASE + DIGITAL EXPANSIONS
Type	Power supply	Inputs	Outputs	Max I/O
LRD12RD012	12VDC	8 digital + 4 digital/analog	8 relay	20 + 24 ^④
LRD12RD024	24VDC	6 digital + 2 digital/analog	4 relay	12 + 24
LRD12TD024	24VDC	6 digital + 2 digital/analog	4 transistor	12 + 24
LRD20RD024	24VDC	8 digital + 4 digital/analog	8 relay	20 + 24
LRD20RD024P1	24VDC	8 digital + 4 digital/analog	8 relay	20 + 24
LRD10RA240	100-240VAC	6 digital	4 relay	10 + 24
LRD20RA240	100-240VAC	12 digital	8 relay	20 + 24
LRD12RA024	24VAC	8 digital	4 relay	12 + 24
LRD20RA024	24VAC	12 digital	8 relay	20 + 24
EXPANSION AND COMMUNICATION MODULES				
LRE02AD024	24VDC	—	2 analog	—
LRE04AD024	24VDC	4 analog	—	—
LRE04PD024	24VDC	4 PT100	—	—
LRE08RD024	24VDC	4 digital	4 relay	—
LRE08TD024	24VDC	4 digital	4 transistor	—
LRE08RA240	100-240VAC	4 digital	4 relay	—
LRE08RA024	24VAC	4 digital	4 relay	—
LREP00	24VDC	RS485 Modbus-RTU protocol slave communication unit		

^④ Expansion modules supplied at 24VDC.