



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Training kit with  
LRD12RD024  
mounted on  
input/output  
simulation board  
**LRDDEM12RD024**  
24VDC  
Nr. 6 digital + 2  
Nr. 4 relay  
12 (8 inputs + 4  
outputs) up to 36  
with LRE  
modules

**Power supply**

Operating voltage range 20.4...28.8VDC

Average current consumption mA 125

Power consumption Max W 4.5

**Digital inputs**

Number of digital input Nr. 6 + 2  
digital/analog

Rated voltage V 24VDC

Input signals State 0 (OFF) <5VDC  
State 1 (ON) >15VDC

Response time

0 to 1 (OFF-ON) 4ms (0.5ms for  
high speed)

1 to 0 (ON-OFF) 4ms (0.3ms for  
high speed)

**Analog inputs**

Number of analog input Nr. 2 digital/analog

Analog input type Voltage inputs

Inputs signal range V 0...10

Resolution 0.01V

Bit of conversion bit 10

Current consumption at 10VDC mA <0.17mA

Input impedance kΩ >40

Admissible overload VDC 28

Sampling time ms 5...20ms(LADDER)  
2...10ms (FBD)

Maximum cable length m / ft ≤30m/98ft  
(shielded wire)

**Digital outputs**

Number of digital output Nr. 4

type Relay

**System resources**

Display	LCD display, 4 lines x 16 characters		
Connections			
Terminals type	Screw		
Tightening torque for terminals	max	Nm	0.6
	Max	lbft	0.4

**Conductor section**

AWG/Kcmil	min	26
	max	14
IEC	min	mm <sup>2</sup> 0.14
	max	mm <sup>2</sup> 2.5

**Ambient conditions**

Temperature	Operating temperature	min	°C -20		
		max	°C +55		
Storage temperature	min	°C -40			
	max	°C +70			
Relative humidity	%	20...90% without condensation			
Housing	35mm DIN rail or screw fixing (M4x20mm)				
Mounting					
Degree of protection	IP20				
Weight	g	920			

**Certifications and compliance**

Compliance	CSA C22.2 n° 142
	IEC/EN 61131-2
	UL508

**Certificates**

cULus
EAC

**ETIM classification**

ETIM 8.0	EC002581 - PLC device set
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