



Product designation

Product type designation  
Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Starter kit  
complete with  
LRD12RD024  
base module,  
LRXSW software  
and LRXC03  
cable  
LRDKIT12RD024  
24VDC  
Nr. 6 digital + 2  
digital/analog  
Nr. 4 relay  
12 (8 inputs + 4  
outputs) up to 36  
with LRE  
modules

#### Power supply

|                             |    |                |
|-----------------------------|----|----------------|
| Rated auxil. supply voltage |    | 24VDC          |
| Operating voltage range     |    | 20.4...28.8VDC |
| Avarage current consumption | mA | 125            |
| Power consumption Max       | W  | 4.5            |

#### Digital inputs

|                         |                               |                         |
|-------------------------|-------------------------------|-------------------------|
| Number of digital input | Nr.                           | 6 + 2<br>digital/analog |
| Rated voltage           | V                             | 24VDC                   |
| Input signals           | State 0 (OFF)<br>State 1 (ON) | <5VDC<br>>15VDC         |

Response time

|                 |                               |
|-----------------|-------------------------------|
| 0 to 1 (OFF-ON) | 4ms (0.5ms for<br>high speed) |
| 1 to 0 (ON-OFF) | 4ms (0.3ms for<br>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,<br>2...10ms (FBD) |
| Maximum cable lenght   | m / ft | ≤30m/98ft<br>(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

Mounting

35mm DIN rail or screw fixing (M4x20mm)

Degree of protection

IP20

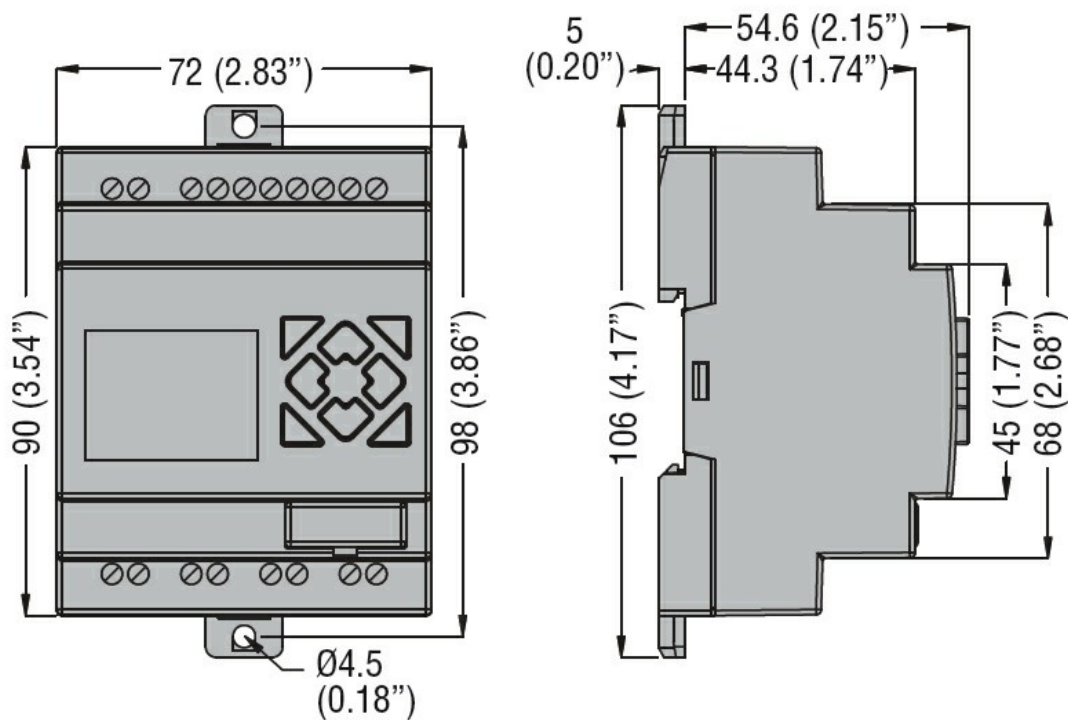
Dimensions (W x H x D)

mm 72 x 106 x 59.6

Weight

g 424

### Dimensions



#### 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