



Starter kit  
complete with  
LRD12RA240  
base module,  
LRXSW software  
and LRXC03  
cable  
LRDKIT10RA240  
100...240VAC  
Nr. 6 digital  
Nr. 4 relay  
10 (6 inputs + 4  
outputs) up to 34  
with LRE  
modules

## Product designation

## Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

## Power supply

|                             |    |              |
|-----------------------------|----|--------------|
| Rated auxil. supply voltage |    | 100...240VAC |
| Operating voltage range     |    | 85...265VAC  |
| Operating frequency range   | Hz | 47...63      |
| Average current consumption | mA | 100          |
| Power consumption Max       | W  | 7.5          |

## Digital inputs

|                         |                               |                         |
|-------------------------|-------------------------------|-------------------------|
| Number of digital input | Nr.                           | 6                       |
| Rated voltage           | V                             | 100-240VAC<br>(50/60Hz) |
| Input signals           | State 0 (OFF)<br>State 1 (ON) | <40VAC<br>>79VAC        |

Response time

|                 |                                                   |
|-----------------|---------------------------------------------------|
| 0 to 1 (OFF-ON) | 50/45ms<br>(Ue=120VAC);<br>22/18ms<br>(Ue=240VAC) |
| 1 to 0 (ON-OFF) | 50/45ms (Ue=120VAC);<br>90/85ms (Ue=240VAC)       |

## Digital outputs

|                          |     |       |
|--------------------------|-----|-------|
| Number of digital output | Nr. | 4     |
| type                     |     | Relay |

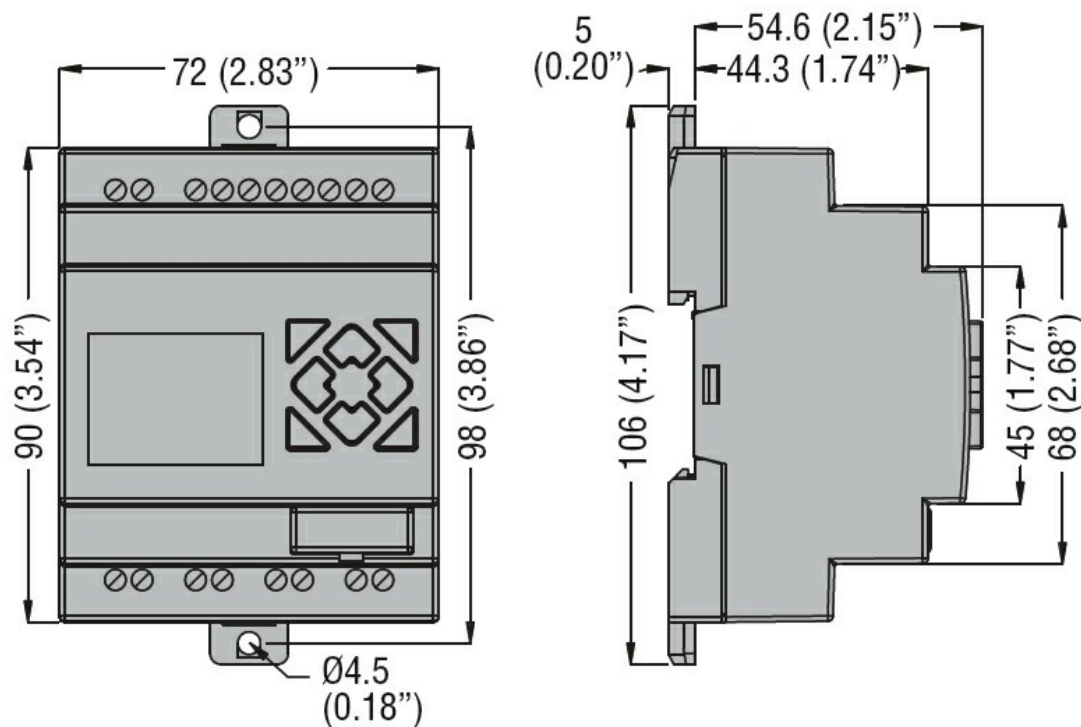
## System resources

|         |                                            |
|---------|--------------------------------------------|
| Display | LCD display, 4<br>lines x 16<br>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                                     |
| <b>Ambient conditions</b> |                       |     |                 |                                         |
| Temperature               | Operating temperature | min | °C              | -20                                     |
|                           |                       | max | °C              | +55                                     |
|                           | Storage temperature   | min | °C              | -40                                     |
|                           |                       | max | °C              | +70                                     |
| Relative humidity         |                       |     | %               | 20...90% without condensation           |
| <b>Housing</b>            |                       |     |                 |                                         |
| 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                                     |
| <b>Dimensions</b>         |                       |     |                 |                                         |



## Certifications and compliance

### Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

|                     |                              |
|---------------------|------------------------------|
| Certificates        |                              |
|                     | cULus                        |
|                     | EAC                          |
| ETIM classification |                              |
| ETIM 8.0            | EC002581 - PLC<br>device set |