

Leader Light s.r.o. M.Gorkeho 33 SK-052 01 Spisska Nova Ves Slovakia www.leaderlight.eu

USER MANUAL

LL IN8-RSxxx - Potential free contact module

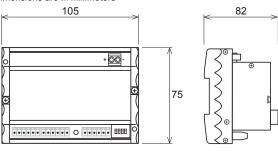
LL08 300 xxx

xxx - protocol type 0v3, or 0v4, or 0v5

COMPLIMENTS ON YOUR PURCHASE!



All dimensions are in millimeters



Package includes:

- LL IN8-RSxxx 1 pc.
- User manual 1 pc.

Additional items needed:

- Data and power cables
- 24V DC power supply

Content:

1 SAFETY INFORMATION

- 01.1 Safety instructions
- 01.2 Operating restrictions
- 01.3 Fire protection

02 PRODUCT SPECIFICATION

- 02.1 Technical specification
- 02.2 Product description

3 INSTALLATION

- 03.1 Unpacking
- 03.2 Physical installation
- 03.3 Connection
- 03.4 Installation factors
- 03.5 RSX channels
- 04 MAINTENANCE AND SERVICE

ENVIRONMENTAL PROTECTION



Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

01 SAFETY INFORMATION



WARNING!!!

Carefully read before installing, powering or servicing. Nothing to do if anything misunderstand! Installation can be done only by a qualified professional in accordance with relevant local codes.

01.1 Safety instructions



- Shut down power before installation or maintenance of equipment of voltage /data source.
- Do not modify, alter, or attempt to service the LeaderLight appliance. Doing so will void the warranty.
- Use only the recommended DC voltage source.
- Connect the ground to the bottom of the box!
- Electrical connections, service and maintenance can be performed only by qualified professional.
- AC power supply of DC power supply must comply with local regulations.
- AC power supply must be protected against overvoltage and short circuits.

01.2 Operating restrictions

- This product was designed for indoor use only!
- If the product has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your unit. Leave the unit switched off until it has reached room temperature.
- Do not operate the product in humid, dusty or too hot/cold environments.
- Before connecting, make sure the product is not damaged, wet, or otherwise damaged.
- Unprofessional operation creates the most damages!
- For transport use the original packaging

Operate only with 24V DC stabilized source!

01.3 Fire protection



- Follow all safety restrictions.
- Device never cover the minimum space around the vents must be at least 100mm (4 in.).
- Allowed maximum ambient temperature is 40°C (104°F).

02 PRODUCT SPECIFICATION

02.1 Technical specification

Power connection: DC24V max. 5W Input: 8x digital input

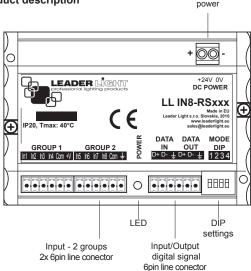
Output signal: RS 423/232 LL defined protocol

Ambient temp. (Ta): 0°C ÷ +40°C Net weight: 0,30 kg

Dimensions LxWxH: 105mm x 75mm x 82mm

Installation: standard DIN installation TS35 - 6DIN

02.2 Product description



DC 24V

Indication of control LED (LED power / data - yellow)

LED	Indication	Status
LED	On 240ms /	O.K device is working correct
Power / Data	Off 240ms	

03 INSTALLATION

03.1 Unpacking

- Unpack carefully
- This is electronic equipment and should be handled carefully.
- Damaged delivered package or if are any mechanical parts broken it must be claim immediately by the transport company. Photo pictures as evidence are valuable for future claim.

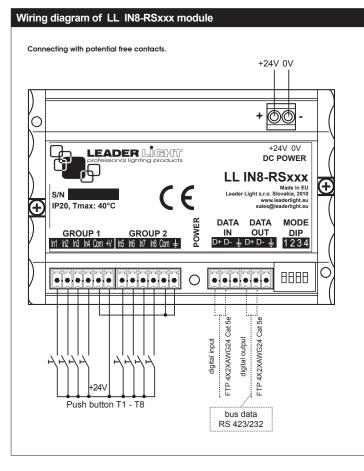
03.2 Physical installation

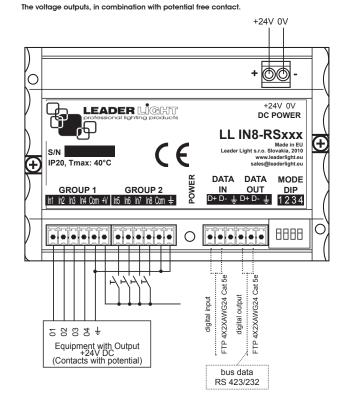
 Loading capacity of bearing area has to be at least 10 times the weight of all device clusters.

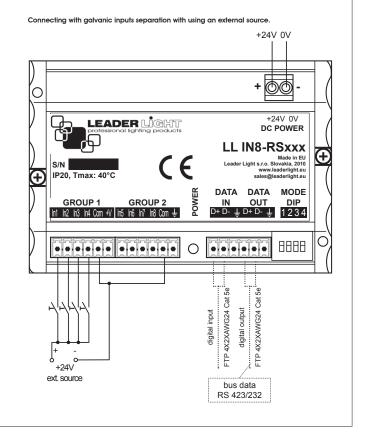
03.3 Connection



- Respect all SAFETY INFORMATION 01!
- Connect the ground (earth) to the bottom of the module!
- LL IN8-RSxxx device may be operated only with 24V DC stabilized source.
- In the case of connecting the power supply with more than a prescribed voltage you can suffer a dangerous electric shock, inflict damage equipment
- or fire.
 Shut down power supply from all devices before installation of LL IN8-RSxxx
- Shut down power supply from all devices before installation of LL IN8-RSxx to end devices.







Feature LL IN8-RSxxx:

LL IN8-RSxxx is input device. It includes 8 digital inputs, which can be switched with any contact. The input module is designed as an interface for connecting any arbitrary button control to the control system RS digital output protocol of the sending state inputs can be varied.

03.4 Installation Factors

- For any indoor and outdoor installation inside the installation box must be add +100mm to each side and must be add ventilation modul.
- For outdoor installation must be add heating modul, if the outdoor temperature is less then 0°C any time!

03.5 RSX channels

These informations are subject to change, latest data are on: www.leaderlight.eu

Mode1:

Input In1 = commands ASCI Output1
Input In2 = commands ASCI Output2
Input In3 = commands ASCI Output3
Input In4 = commands ASCI Output4
Input In5 = commands ASCI Output5
Input In6 = commands ASCI Output6
Input In7 = commands ASCI Output7

Features Dip (switch Dip1, Dip2, Dip3, Dip4):

Dip1 = On = without function
Dip2 = On = without function
Dip3 = On = without function
Dip4 = On = without function

Input In8 = commands ASCI Output8

Sending ASCII commands are set by the RSX protocol. Currently available are the following protocols:

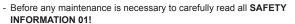
18 0v3: protocol ASClout 0v3 (6Bvte)

18 0v4: protocol ASClout 0v4 (4Byte) - E-cue

18 0v5: protocol ASClout 0v5 (9Byte) - Creator

Description of the protocol is attached.

04 MAINTENANCE AND SERVICE



- Damages caused by inadequate cleaning or maintenance are not covered by warranty.
- Requires periodic cleaning (dust, dirt ,...)

Procedure for maintenance:

- Unplug mains before maintenance and at least 10 minutes cool off.
- Appliance do not illegal open or demount.
- Clean-up dust only from outer surface. Use vacuum or dumpy duster (warm water)
- Before reinstalling make sure everything is intact and dry- no wet parts!

Service:

- Customer service provided by the manufacturer.