

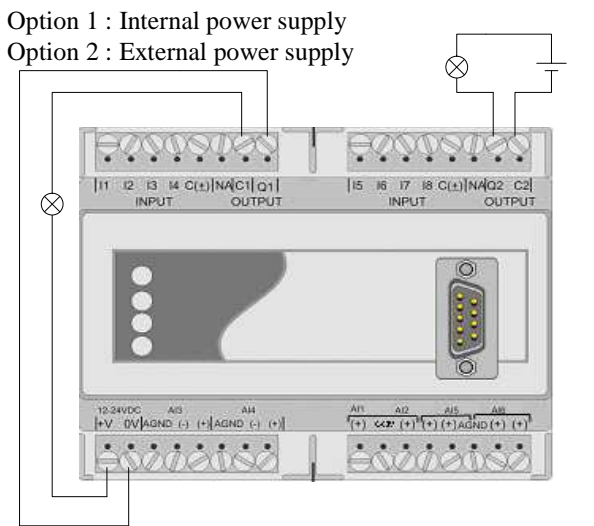
R-LOG

Put Yourself Ahead

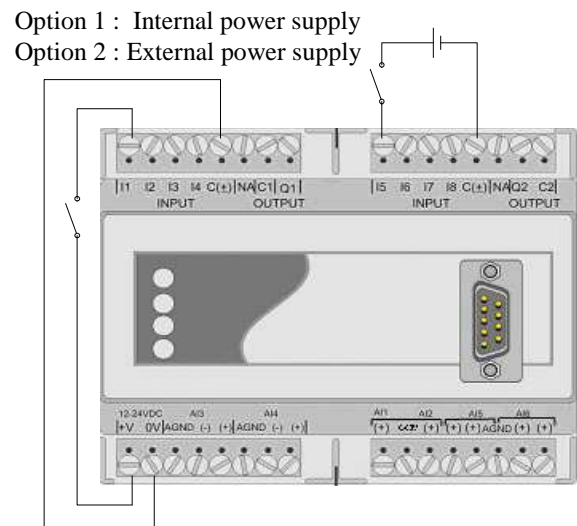


RLOG specifications

Cabling the R-LOG

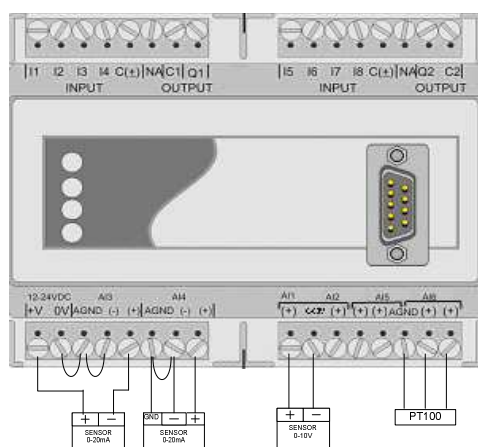


Cabling a Light as a Digital Output
Each option can be at each output connection

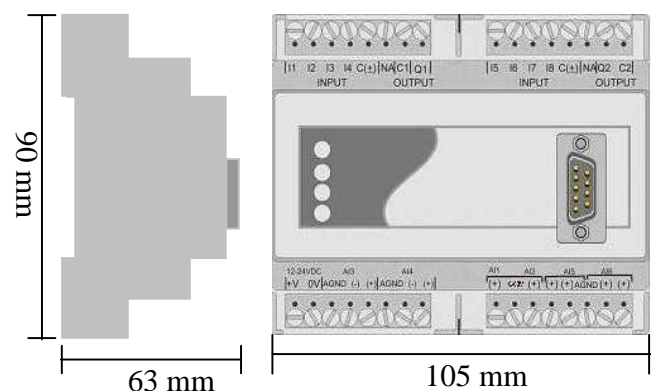


Cabling Digital Input
Each option can be at each digital input connection

Cabling Analog Inputs:
0-20mA sensors with 2 or 3 contacts
0-10V Sensor
PT100 Sensor



R-LOG dimensions



Description	Specification
<i>HW interfaces</i>	
RS-232	One DB9 male (standard EIA)
Digital Inputs	8 (5-24VDC)
Analog Inputs	2 Current (0-20mA) 2 Voltage (0-10v) 2 Resistance (PT-100)
Digital Output	2 (Relay 5A)
Leds	4 yellow
<i>Physical Characteristic</i>	
Dimension	105X63X90mm
Weight	240gr
Cover	Rigid plastic – Lexan 920
Assembly	Appropriate for mounting On DIN 35mm Rail
<i>Power supply Specification</i>	
Power supply	12-24VDC
Maximum momentary power failure	10mS
Maximum power consumption	24 W (1A)
Typical power consumption	While transmit 1.8W no transmit 1.1W
Current consumption at 12V Continues	90mA
<i>Environment</i>	
Operating Temperature	-25°C to 55°C
Storage Temperature	-40°C to 85°C
Operating Humidity	5% to 95% Non - condensing

<u>Description</u>	<u>Specification</u>
Protocols	
PLC protocols	MODBUS, Matusushita, Unitronics, Omron, IZUMI and others
Memory Specification	
Total Size	2MB flash memory
Logger memory size	1.5MB from flash memory
Events memory size	0.4MB from flash memory
Internal use memory size	0.1MB from flash memory
Sample rate	1sec – 1 day
Period	5 days – 5 years
Download data methods	Email – via GPRS/SMTP GSM – via CSD session
Data structure	EXCEL file
Voltage analog input Specification	
Number of input	2
Resolution bit	10 bit (10mV)
Conversion speed	10mS
Input voltage	0-10VDC
Precision	2% (20mV)
Input impedance	619KΩ (10%)
Offset/Gain	Offset value- 0 at 0VDC GAIN value: 0-10V= 0-1024 / 65535

R-LOG Approvals : CE, EMC

<u>Description</u>	<u>Specification</u>
<i>Current analog input Specification</i>	
Number of input	2
Resolution bit	10 bit (0.02mA)
Conversion speed	10mS
Input voltage	0-20mA DC
Precision	2% (0.4mA)
Input impedance	200Ω (10%)
Offset/Gain	Offset value- 0 at 0mA GAIN value: 0-20mA=0-1024 / 65535
<i>PT100 analog input Specification</i>	
Number of input	2
PT100 range	(-20) - (80)
Isolation	None
Resolution bit	8 bit (0.3 Celsius degree)
Conversion speed	10mS
Precision	Worst case 0.4 Celsius degree
Input impedance	20kΩ
Connection options	Three (compensation) or two wires
<i>Cellular Network Interface</i>	
Band	Quad-Band EGSM 850/900/1800/1900 MHz
Protocols	CSD, SMS, GPRS class 10, Mobile station class B
Internal modem	Telit 864
Modem Approvals	Fully type approved according to R&TTE CE, GCF, FCC, PCTRB, IC
Technology	GSM network + SIM card

<u>Description</u>	<u>Specification</u>
<i>DC input Specification</i>	
Number of input	8
Number of com	2
Input voltage	12-24VDC
Input current	5 mA 24 VDC
Off→on	>5.2V
On→off	<4.2V
Response time	10mS
Frequency maximum	50Hz
Minimum pulse width	80µs
Isolation	Optocoupler
<i>Output Specification</i>	
Number of output	2
Output type	Relay for 0-30 VAC/VDC
Max resistive load	5A 30 VDC
Contact life cycle	100,000 operations minimum (contact rating)
Minimum load	150W
Maximum inductive load	1250 VA
Response time	6mS
Isolation	By relay 1G Ω