



DR 112R

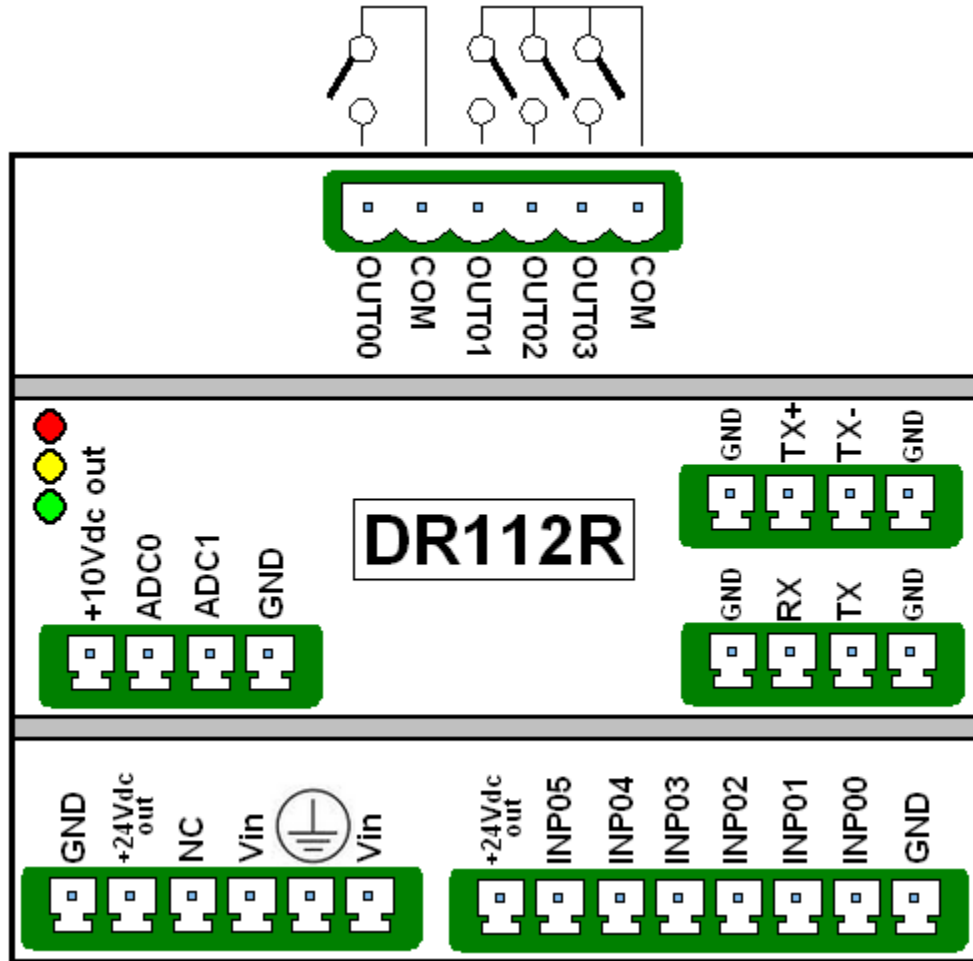


Compact stand alone PLC

- Fixing system on din rail
- Compact PLC Modbus RTU protocol compliant
- Contact programming with Ladder language

ELECTRIC CHARACTERISTICS	
Power supply voltage	Min 20Vdc ; Max 30 Vdc
Current Consumption	Under 150mA without loads
Microprocessor	ARM STM100
E ² PROM	24C512 da 512K
Cycle Time	Programmable (min 5 msec.)
Digital Inputs	6 digital inputs PNP 24Vdc with programmable anti-noise filter (value 1..16)
Analog Inputs	Two analog inputs with 12 bits resolution [0...4095] ; for voltage (0...10V) or current (0...20mA).

I/O Connections



Digital Outputs

4 relay outputs 24Vdc 3A

Serial Lines

2 serial lines (COM0 and COM1)

COM 0 : It's in RS232 mode and can be used with many different standard communication protocols for connect other devices (I/O expansions , thermoregulators , inverters or network connection) besides it's used for upload applications or operative system .

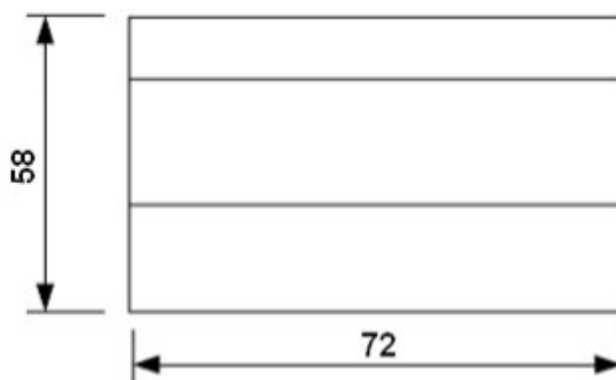
COM 1 : It's in RS485 mode and can be used with many different standard communication protocols for connect other devices (I/O expansions , thermoregulators , inverters or network connection)



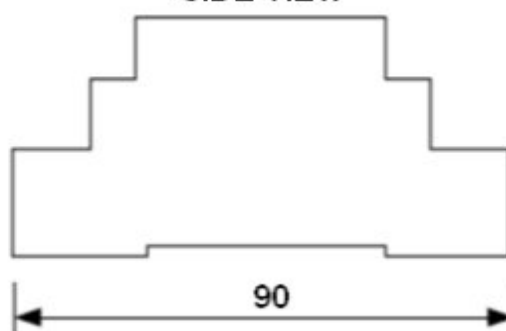
RTC	Internal Real time clock buffered by a rechargeable battery
Other hardware media	Three status indicator leds (yellow, red, green): Communication, Alarm, and RUN/STOP
	Internal RUN/STOP PLC button
	Internal trimmer usable as analog input for the hardware management of a parameter

MECHANICS CHARACTERISTICS

Temperature Range	from -10 °C to +70 °C
Humidity Range	from 10 to 90% (non-condensing)
Operating Atmosphere	Without corrosive gas
Noise Immunity	According to rules in force
Fixing System	On din rail
Weight	
Size	Front view 72x90; Depth 58 mm



SIDE VIEW





SOFTWARE CHARACTERISTICS	
Programmation Languages	AWL / Ladder
Timers	256 timers at 16 bit with 1/100 sec resolution. Timers are configurables like excitation delay or disexcitation delay.
Counters	256 counters at 16 bit configurables like increase or decrease.
Memory area check in real time mode on data table (Debug)	●
Ladder's subroutines Import/Export	●
Contact and variable check in real time mode on ladder (Debug Online)	●
Application program's real time simulator	●