

Modular liquid level control relay, 5 A, 1 CO, 24...240 V AC/DC

Local distributor code: 389834942

RM35LV14MW

EAN Code: 3389119405249

Main

Range of product	Harmony Control Relays	
Relay type	Level control relay	
Product or component type	Level control relay	
Relay name	RM35L	
Relay monitored parameters	Detection by discrete sensors	
time delay	Adjustable 0.15 s, +/- 10 % Tt- time delay upon fault	
Switching capacity in VA	1250 VA	
Minimum switching current	10 mA at 5 V DC	
Maximum switching current	5 A AC/DC	
power consumption	5 VA AC	
Utilisation category	AC-12 conforming to IEC 60947-5-1 AC-13 conforming to IEC 60947-5-1 AC-14 conforming to IEC 60947-5-1 AC-15 conforming to IEC 60947-5-1 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1	
Contacts type and composition	2 C/O	

Complementary

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Reset time	1000 ms 4000 ms	
Maximum switching voltage	250 V AC/DC	
[Un] rated nominal voltage	24240 V AC/DC 50/60 Hz, non self-powered	
Supply voltage limits	20.4264 V AC/DC	
operating voltage tolerance	- 15 % + 10 % Un	
power consumption	1.5 W DC	
Output contacts	1 C/O	
nominal output current	5 A	
delay at power up	0.5 s	
Measurement accuracy	+/- 10 % of the full scale value +/- 20 % for the HS range	
Repeat accuracy	+/- 2 % for time delay	
Measurement error	0.5 %/°C with temperature variation	
Sensitivity adjustment	5100 %	

Maximum supply current for sensors	40 mA	
Cable capacitance	10 nF for probe cable	
Marking	CE : EMC 89/336/EEC CE : 73/23/EEC	
Overvoltage category	III conforming to IEC 60664-1	
Insulation resistance	> 500 MOhm at 500 V DC between supply and relay output conforming to IEC 60255-5	
	> 500 MOhm at 500 V DC between measurement and relay output conforming to IEC 60664-1	
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[Ui] rated insulation voltage	250 V conforming to IEC 60664-1	
Operating position	Any position without derating	
Connections - terminals	Screw terminals, $1 \times 0.51 \times 4 \text{ mm}^2$ (AWG 20AWG 11) solid without cable end Screw terminals, $2 \times 0.52 \times 2.5 \text{ mm}^2$ (AWG 20AWG 14) solid without cable end Screw terminals, $2 \times 0.22 \times 1.5 \text{ mm}^2$ (AWG 24AWG 16) flexible with cable end Screw terminals, $1 \times 0.21 \times 2.5 \text{ mm}^2$ (AWG 24AWG 12) flexible with cable end	
Tightening torque	0.61 N.m conforming to IEC 60947-1	
Housing material	Self-extinguishing plastic	
Local signalling	LED (yellow) for relay ON	
	LED (green) for power ON LED (yellow) for timer ON	
Mounting support	35 mm symmetrical DIN rail conforming to IEC 60715	
Electrical durability	· · · · · · · · · · · · · · · · · · ·	
•	100000 cycles	
Mechanical durability	3000000 cycles	
Operating rate	<= 360 operations/hour full load	
Safety reliability data	B10d = 170000	
	MTTFd = 182.6 years	
Width	35 mm	
control type	Without test button	
Environment		
Immunity to microbreaks	100 ms DC 90 ms AC	
Electromagnetic compatibility	Emission standard for industrial environments conforming to IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2	

Immunity to microbreaks	100 ms DC 90 ms AC	
Electromagnetic compatibility Emission standard for industrial environments conforming to IEC 61000 Emission standard for residential, commercial and light-industrial enviro conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6		
Standards	IEC 60255-6	
Product certifications	GOST CSA UL GL C-Tick	
Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-2050 °C	
Relative humidity	95 % at 55 °C conforming to IEC 60068-2-30	

IP degree of protection	IP20 (terminals) conforming to IEC 60529 IP30 (casing) conforming to IEC 60529	
Pollution degree	3 conforming to IEC 60664-1	
Dielectric test voltage	2 kV, 1 min AC 50 Hz conforming to IEC 60255-5 2 kV, 1 min AC 50 Hz conforming to IEC 60664-1	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	8 cm
Package 1 Length	9.7 cm
Package 1 Weight	133 g
Unit Type of Package 2	S03
Number of Units in Package 2	48
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.131 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	60
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	4984708b-29c1-4c18-ac2d-be9b0477b6b5
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

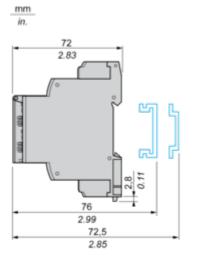
Product datasheet

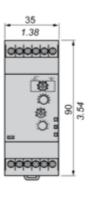
RM35LV14MW

Dimensions Drawings

Level Control Relays

Dimensions and Mounting





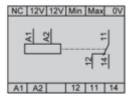
Product datasheet

RM35LV14MW

Connections and Schema

Level Control Relays

Wiring Diagram



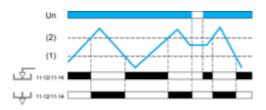
RM35LV14MW

Technical Description

Function Diagrams

Control of Two Levels

Fill/Empty function



Legend

Un Nominal supply voltage

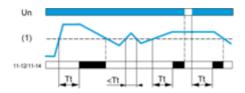
(1) Min. level(2) Max. level

11-12/11-14, 21-22/21-24 Output relay connections

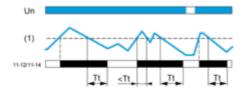
Relay status: black color = energized.

Control of One Level

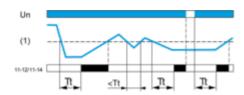
Empty function T on



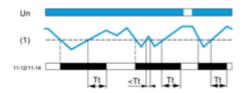
Empty function T off



Fill function T on



Fill function T off



Legend

Tt Time delay after crossing of threshold

Un Supply voltage

(1) Level threshold

11-12/11-14, 21-22/21-24 Output relay connections

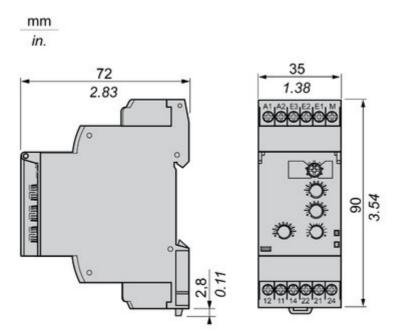
Product datasheet

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Relay status: black color = energized.

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

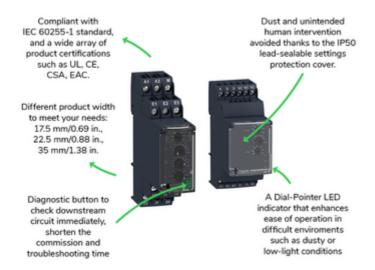


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony Control Relay



11

Image of product / Alternate images

Alternative











