

ENR / ENRM Liquid-Level Controllers

Crouzet Products /Automation Controls /Control Relays /Liquid Level Controllers /ENR(M)

PRODUCT FEATURES

- ✚ Pump-up / pump-down selectable
- ✚ Adjusts between the minimum & maximum levels
- ✚ Sensitivity adjustable from 5K to 1M Ohms (100K for ENR)
- ✚ LED status indicators for power & output relay
- ✚ 8 amp SPDT output relay output relay
- ✚ Adjustable 0.1 to 5 second delay on ENRM
- ✚ Certifications: UL, CSA, CE

[ENR/M Series Press Release](#)



ENR Series Liquid-Level Controllers

Mounting Style	Input Power	Output	Series	Part number
Din Mount	24 V AC	8A SPDT	ENR	84870201
Din Mount	120 V AC	8A SPDT	ENR	84870203
Din Mount	230 V AC	8A SPDT	ENR	84870204

ENRM Series Liquid-Level Controllers (with trip-delay)

Mounting Style	Input Power	Output	Series	Part number
Din Mount	24 V AC	8A SPDT	ENRM	84870211
Din Mount	120 V AC	8A SPDT	ENRM	84870213
Din Mount	230 V AC	8A SPDT	ENRM	84870214

Level control

→ ENR

- Adjusting two levels (min./max.)
- Monitoring filling (UP) or emptying (DOWN) , selected by a switch on the front panel.
- Probes supplied with AC current.
- Sensitivity adjustable on front panel from 5 kΩ to 100 kΩ.



Specifications

Type	Characteristics	Voltages	Code
ENR	Monitoring filling UP Monitoring emptying DOWN	24 V AC	84 870 201
		48 V AC	84 870 202
		120 V AC	84 870 203
		230 V AC	84 870 204

General characteristics

Operating range	0.85 → 1.10 x Un
Maximum power consumption	3 VA
Adjustable sensitivity	5 kΩ → 100 kΩ
Measurement accuracy (at maximum sensitivity)	± 30 %
Electrode voltage (max)	24 V AC (50/60 Hz)
Electrode current (maximum)	1 mA (50/60 Hz)
Maximum cable capacity	10 nF
Response time high level	300 ms
Response time low level	500 ms
Output relay (according to AC1 resistive load)	1 AgNi changeover relay 8 A AC max.
Galvanic isolation via transformer (4 kV, 8 mm creepage distance)	Class II VDE 0551
Isolation of contacts and electrodes from power supply	2.5 kV AC
Operating temperature range (°C)	-20 → +50°C
Storage temperature range (°C)	-40 → +70°C
Weight (g)	150

Dimensions

ENR

