finder
RELAYING INNOVATION

72.01 72.11

GENERAL SAFETY AND INSTALLATION WARNINGS

1 Keep this document for future reference.

2 Installation, connection, and maintenance of the device must be performed exclusively by qualified technical personnel and in compliance with the electrical regulations in force in the country of installation.

3 Before performing any operation (installation, maintenance, or cleaning), always disconnect the power supply by switching off the main switch.

4 Do not expose to rain, humidity, or extreme heat.

5 Do not install the device near direct heat sources or airflow (e.g., air conditioners, radiators) to prevent malfunctions.

6 Install the device at a suitable distance from sources of strong electromagnetic fields (such as industrial motors, transformers, inverters, or antennas) that could cause unintended activation or malfunctions.

7 Keep power supply and load cables separated from high-frequency signal transmission cables or data networks.

8 Do not tamper with or modify the device enclosure; structural alterations may compromise electromagnetic shielding and void compliance with EMC directives.

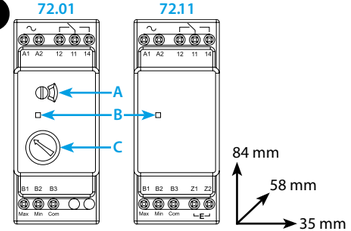
FURTHER INFORMATION

IB7200001-11/26 Finder S.p.A. con unico socio
via Drubiaglio 14-10040-Almese (TO) -Italy- findernet.com

	U_N 24 V AC (50/60 Hz): (19.2...26.4 V AC) 8.024 U_N 24 V DC: (20.4...26.4 V DC) 9.024 U_N 110...125 V AC: (90...130 V AC) 8.125 U_N 230...240 V AC: (184...253 V AC) 8.240 U_N 400 V AC (50/60 Hz) (72.01): (360...460 V AC) 8.400
	P 2.5 VA / 1.5 W
	1 CO (SPDT) 16 A 250 V AC
	AC1 4000 VA AC15 (230 V AC) 750 VA M (230 V AC) 0.55 kW
	(–20…+60)°C
IP20	

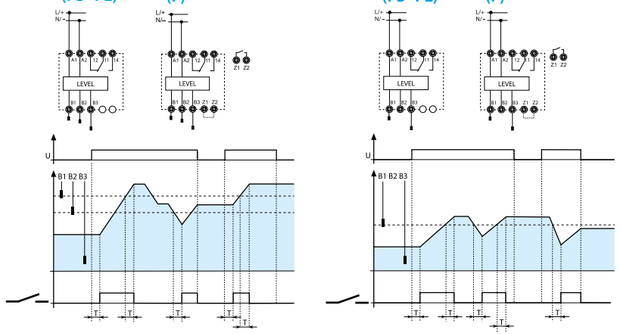
LED	U_N		
	–	11 - 14	11 - 12
	√	11 - 14	11 - 12
	√	⏲	11 - 12
	√	11 - 12	11 - 14

1

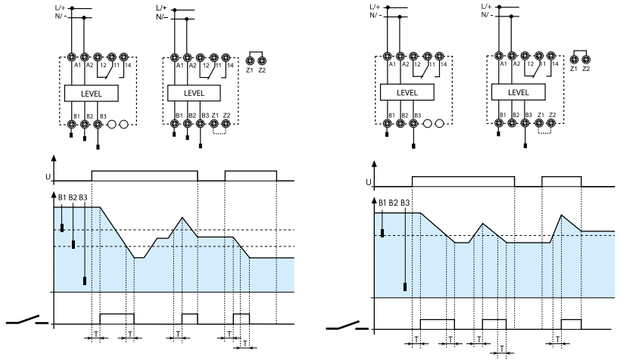


72.01.x.xxx.0000: R = (5...150)kΩ
72.01.x.xxx.0002: R = (5...450)kΩ

2 **2a** 72.01 (FS-FL) 72.11 (F) **2b** 72.01 (FS-FL) 72.11 (F)



3 **3a** 72.01 (ES-EL) 72.11 (E) **3b** 72.01 (ES-EL) 72.11 (E)



- Open Type Device
- Pollution degree 2 Installation Environment
- Maximum Surrounding Air Temperature 50°C
- Use 60/75°C copper (Cu) conductor only and wire ranges No. 14-18-20 AWG, stranded or solid
- Terminal tightening torque of 7.1 lb.in. (0.8 Nm)

ENGLISH

72.01 - 72.11 LEVEL CONTROL RELAY
72.01 sensitivity range (5...150) kΩ - (5...450) kΩ adjustable
72.11 sensitivity fixed 150 kΩ

1 FRONT PLATE
A Functions rotary selector
(72.01) FS Filling function – 0.5 s delay time
FL Filling function – 7 s delay time
ES Emptyng function – 0.5 s delay time
EL Emptyng function – 7 s delay time
(72.11) F Filling function – 1 s delay time (**Z1 - Z2 not connected**)
E Emptyng function – 1 s delay time (**Z1 - Z2 connected**)
B LED
C Sensitivity adjustment according to liquid type
When changing the function the device must be disconnected from the power supply and then switched on again

2 Filling functions - Wiring diagram
2a Example with 3 electrodes
2b Example with 2 electrodes

3 Emptying functions - Wiring diagram
3a Example with 3 electrodes
3b Example with 2 electrodes

SUITABLE LIQUIDS: city water, well water, rainwater, sea water, liquids with low-percentage alcohol, wine, milk, bear, coffee, sewage, liquids fertilizer.
UN-SUITABLE LIQUIDS: demineralised water, fuels, oil, liquids with high-percentage alcohol, liquid gas, paraffins, ethylene glycol, paint.

ACCESSORIES
- Suspended electrode (072.01.06 - 072.01.15 - 072.02.06)
- Floor water sensor (072.11)
- Electrode (072.41)
- Electrode holder with two pole connector (072.51)
- Electrode holder with three poles (072.53)
- Electrode and electrode connector (072.500 - 072.501)

NOTE
- Maximum length of cable connecting sensor to relay 200 m (maximum capacitance of 100 nF/km).
- There is no electrical isolation between electrodes and supply voltage for the 24 V DC types (72.x1.9.024.0000). Therefore, for SELV applications it would be necessary to use a SELV (non-grounded) power supply. In the case of a PELV (grounded) power supply take care to protect the level control relay against harmful circulating currents by ensuring that no electrodes are grounded. However, there is no such problem for the 24 V AC types (72.x1.8.024.0000) which, by virtue of an internal isolating transformer, assure reinforced isolation between electrodes and supply.

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