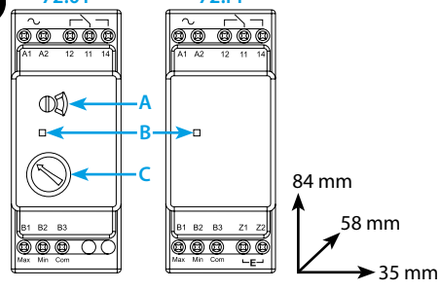
finder
RELAYING INNOVATION

72.01 **72.11**

	U_N 24 V DC 24 V AC (50/60 Hz) (110…125)V AC (50/60 Hz) (230…240)V AC (50/60 Hz) U_{min}-U_{max} (0.8 - 1.1)U_N
	U_N 400 V AC (50/60 Hz) (72.01) U_{min}-U_{max} (0.9 - 1.15)U_N
	P 2.5 VA / 1.5 W
	1 CO (SPDT) 16 A 250 V AC
	AC1 4000 VA AC15 (230 V AC) 750 VA Ⓜ (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

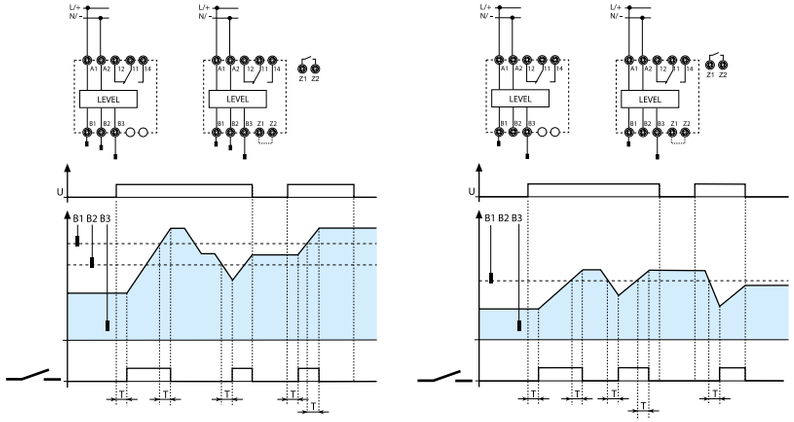
1 72.01 72.11



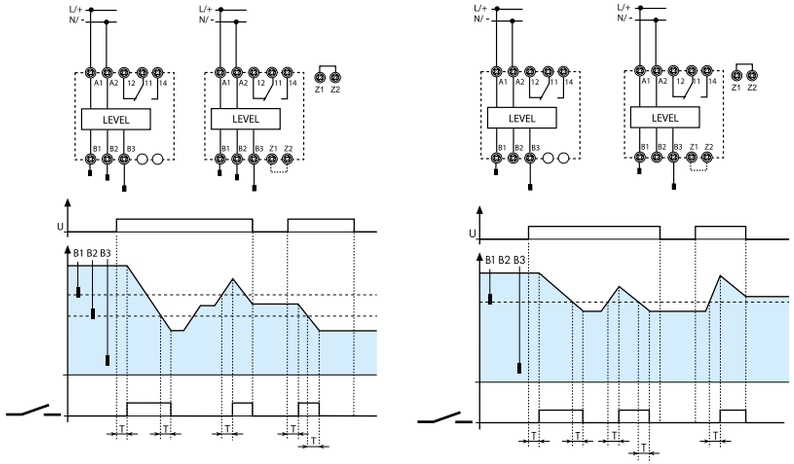
72.01.x.xxx.0000: R = (5...150)kΩ
72.01.x.xxx.0002: R = (5...450)kΩ

Utility Model - IB7200001 - 11/24 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

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)



c UL us

- 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.

finder