

HRH Electronic Level Controllers

HRH Level Controllers monitor fluid level in wells, tanks, pools and reservoirs. HRH level controllers can be used to monitor up to two tanks with single point switching (empty or full tank), or to monitor one tank for two levels. HRH works by means of two sensors, which measure resistance of fluid. For measuring signal is used intermittent voltage 5V/50Hz. Using the alternating signal increased oxidation of sensors is prevented, polarization and electrolysis of fluid.



By DIP switch could be control two independent levels or use combined function for monitoring of one level. Relay is equipped by regulation of sensitivity to changing resistance of fluid. By setting sensitivity according to real condition it is possible eliminate misreadings (e.g. pollution of sensors, grounds, humidity etc.). For every sensor can be set up a delay in range 0.5-10s and by DIP switch the type of delay (at switch on and off relay, choice is made according to application requirement).

- Single Switch with Double State Monitoring
- Two independent switches with single state switching
- Fill in or emptying control

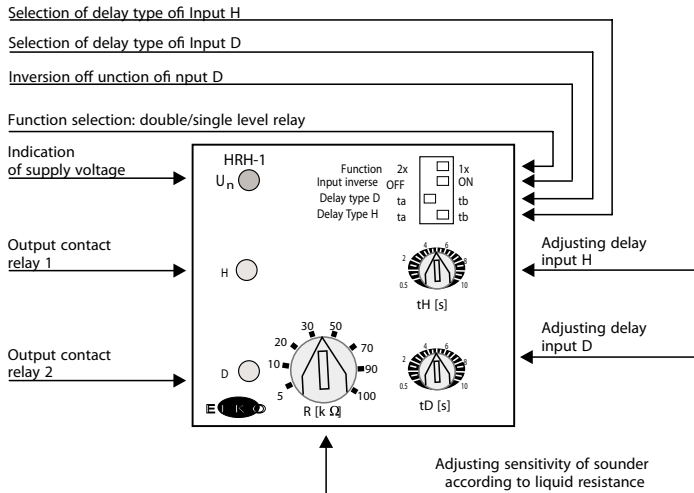
Features

- Galvanically Separated Supply
- Single Switch with Single State Monitoring

Model Type	Model	Description
	HRH-1	Level Controller, 230Vac Supply
	SHR-2	Level Sensor for HRH
Technical Data	Power Supply	230Vac or 24Vac/dc, <4.5A
	Inputs	3 SHR Sensor Inputs, Maximum Level, Minimum Level, Common
	Measuring Circuit	Hysteresis: 5kOhm .. 100 kOhm Voltage on Electrode: AC 5V Current via Sounders: AC <1mA Time Reaction: max. 400 ns Max Cable Capacity: 4 nF Length of cables: Max. 100m Time Delay tD: adjustable 0.5 .. 10s Time Delay tH: adjustable 0.5 .. 10s
	Accuracy	+/-5%
	Output	Number: 2 x changeover Rated Current: 16A / AC1 Breaking Capacity: 4000VA / AC1, 384W /DC Inrush Current: 30A / < 3s Switching Voltage: 250V AC1 / 24V DC
	Op Temperature	-20..+55°C
	Storage Temperature	-30..+70°C
	Protection Class	IP40
	Dimensions	W52 x L90 x D65 mm

DESCRIPTION SETTINGS

Description of Buttons

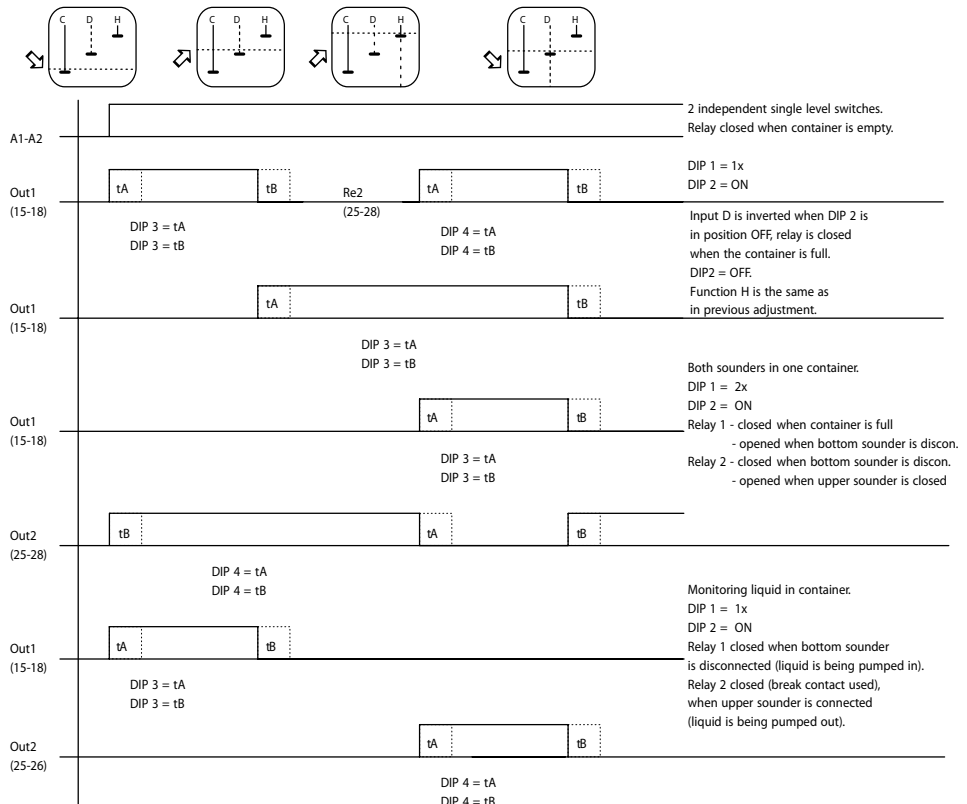


FUNCTIONS

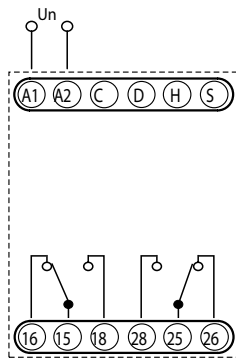
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Function Diagram



WIRING DETAILS



Terminals description :
 A1, A2 - supply voltage
 C - wire for both sounders
 D - wire of bottom soundery
 H - wire of upper sounder
 S - earth terminal for possible screening of cable
 15-16-18 output contact relay 1
 25-26-28 output contact relay 2

Dimensions

