



FS-ENW-E12 Series

Convention relays



Overview

The FS-ENW-E12 Series flow sensors help protect submersible pumps from overflowing or running dry and controls pumps or valves for automatically filling and emptying containers by means of electrodes and ground connection.

Applications

- Monitoring of filling levels or leakage of conductive, non-combustible media

Features & Benefits

- Acts as monitor
- Acts as two-level controller

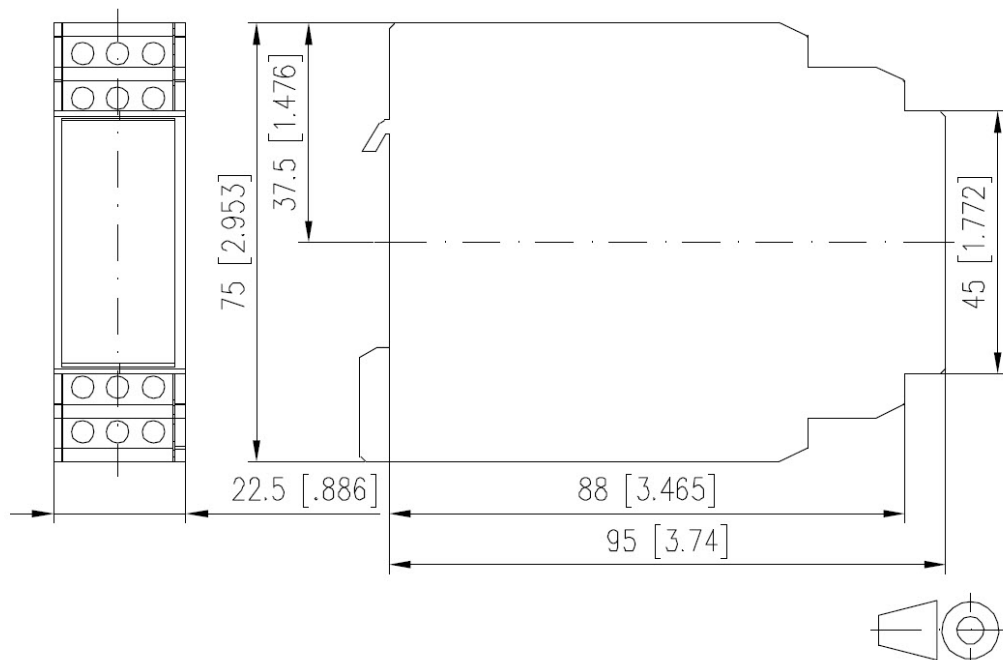
Model Selection

FS-ENW-E12 230 V AC	Conventional Relays; 230 V AC
FS-ENW-E12 24 V AC	Conventional Relays; 24 V AC
FS-LS-TE1	Level detector - to combine with FS-ENW-E12
FS-WD-LKS1	Leakage sensor - to combine with FS-ENW-E12

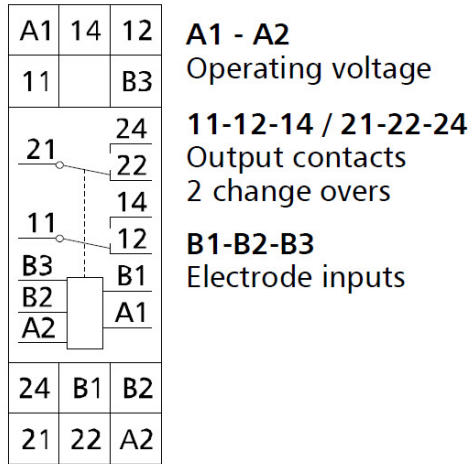
Product Specifications

Operating voltage	230 V AC / 24 V AC
Response sensitivity	5 to 50 kΩ, adjustable
Input	up to 3 electrodes
Input / electrode voltage	12 V
Output / contact	2 changeover contacts (DPDT)
Output / switching voltage	250 V
Output / continuous current	6 A
Output / total current	8 A / across all contacts
Mechanical endurance	1 x 10 ⁷ switching cycles
Electrical endurance	1 x 10 ⁵ switching cycles
Switching frequency	600 cycles/h
Display	Green LED
Dimensions (W x H x D)	22.5 x 75 x 95 mm
Weight	300 g
Operating temperature range	0 °C to +55 °C
Storage temperature range	-20 °C to +70 °C
Protection	Housing: IP40 Terminal Block: IP20

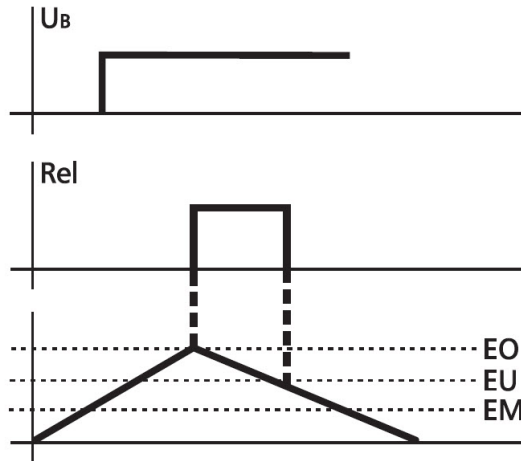
Dimensions



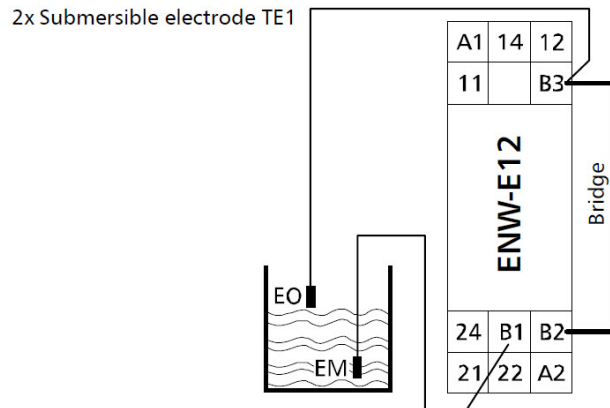
Wiring



Function Diagram and Connection Samples

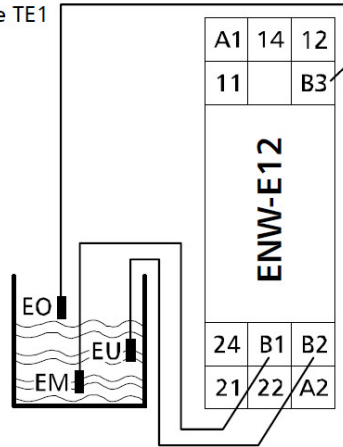


See the following enlarged drawings (connection samples)

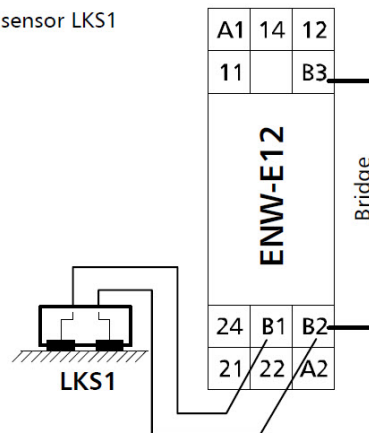


Connection Samples (cont'd)

3x Submersible electrode TE1



1x Leakage sensor LKS1



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