



3L-ONP System : Product Overview

3L-ONP is a Liquid Level Detection System.
(Mounting: 4 Modules M36 DIN-Rail)

“We won't have the society if we destroy the environment”

General features of ELSA control module - 3L-ONP

- Sound Alarm : 80dB max. buzzer with silencing button
- Time to detect Liquid Level : 20 seconds typical

- Application:
1. Position Optical Sensor above water level in a tank (example: to prevent water flow out of the tank), when water level is raised above the Optical Sensor level, Relay/Dry Contact at 3L-ONP module (3L-ONP/H) will be activated, Buzzer will be triggered and LED alarm lighting turn ON.
 2. Position Optical Sensor underneath water level in a tank (example: to prevent water level lower than the desire level or the water tank become dry up), when water level is lowered below the Optical Sensor level, Relay/Dry Contact at 3L-ONP module (3L-ONP/L) will be activated and Buzzer will be triggered, LED alarm lighting turn ON.

Environmental ratings

Operating temperature	: 0 to 40 degree C (indoor installation only)
Storage temperature	: -20 to 70 degree C
Humidity	: 5% to 95% non-condensing

Power requirements

Power supply	: 230 +/- 15% VAC, 50/60 Hz
Optional input	: 115 VAC/50-60 Hz or 12 to 30 VAC/DC power input
Power consumption	: 1 VA/0.75 W maximum

Power relays switching characteristics

Alarm dry contact	: Operation – SPDT Switching current – 0.5 A at 250 VAC, 1A at 30 VDC
-------------------	--

Compliance to International Standards

EMC emission : IEC61000-6-3(2001) – Electromagnetic compatibility
Generic emission standard for residential, commercial and light industrial environment

EMC immunity : IEC61000-6-1(2001) – Electromagnetic compatibility
Generic immunity standard for residential, commercial and light industrial environment

