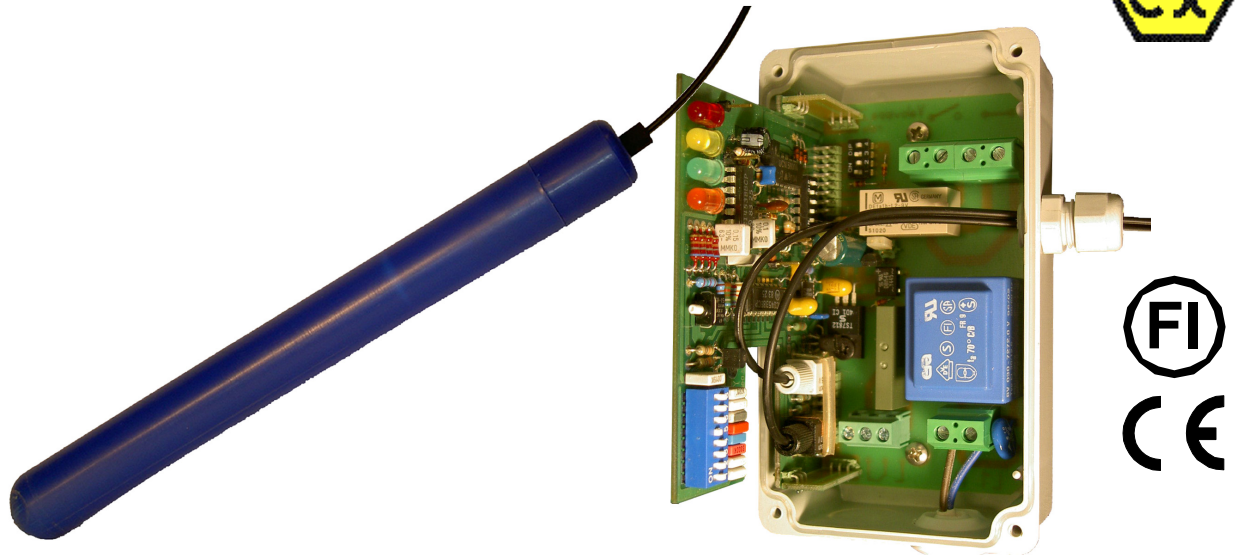


New

KARI OLC-2

Optical level controller



- ❖ FOR POTENTIALLY EXPLOSIVE ENVIRONMENTS (<EX> II 1 GD)
- ❖ NO NEED FOR EXi-ISOLATOR UNIT
- ❖ VERY SMALL PROBE $\varnothing 23\text{mm}$ – FITS THROUGH 3/4" ADAPTOR
- ❖ THREE LEVEL INDICATION
- ❖ TWO SEPARATELY PROGRAMMABLE OUTPUT RELAYS
- ❖ PATENTED FINNISH QUALITY PRODUCT

OLC-2 is a device for liquid level observing and controlling. There is two potential free output relays which are separately programmable. The control relay has two separate contacts, one closing and the other one opening, both 8A 250 V AC. The alarm relay has one change over contact, 6A 250V AC. Both relays are easily programmable to many different function modes. OLC-2 has self diagnostics which gives an alarm if the probe or light cable breaks down.

OLC-2 senses the intensity of light coming back from the **OLP** probe and determines the liquid level accordingly. The amount of light returning from the OLP depends on the tilting angle of the OLP probe. The probe senses three different liquid levels, which are set by the length of the light cable and the position of the cable weight.

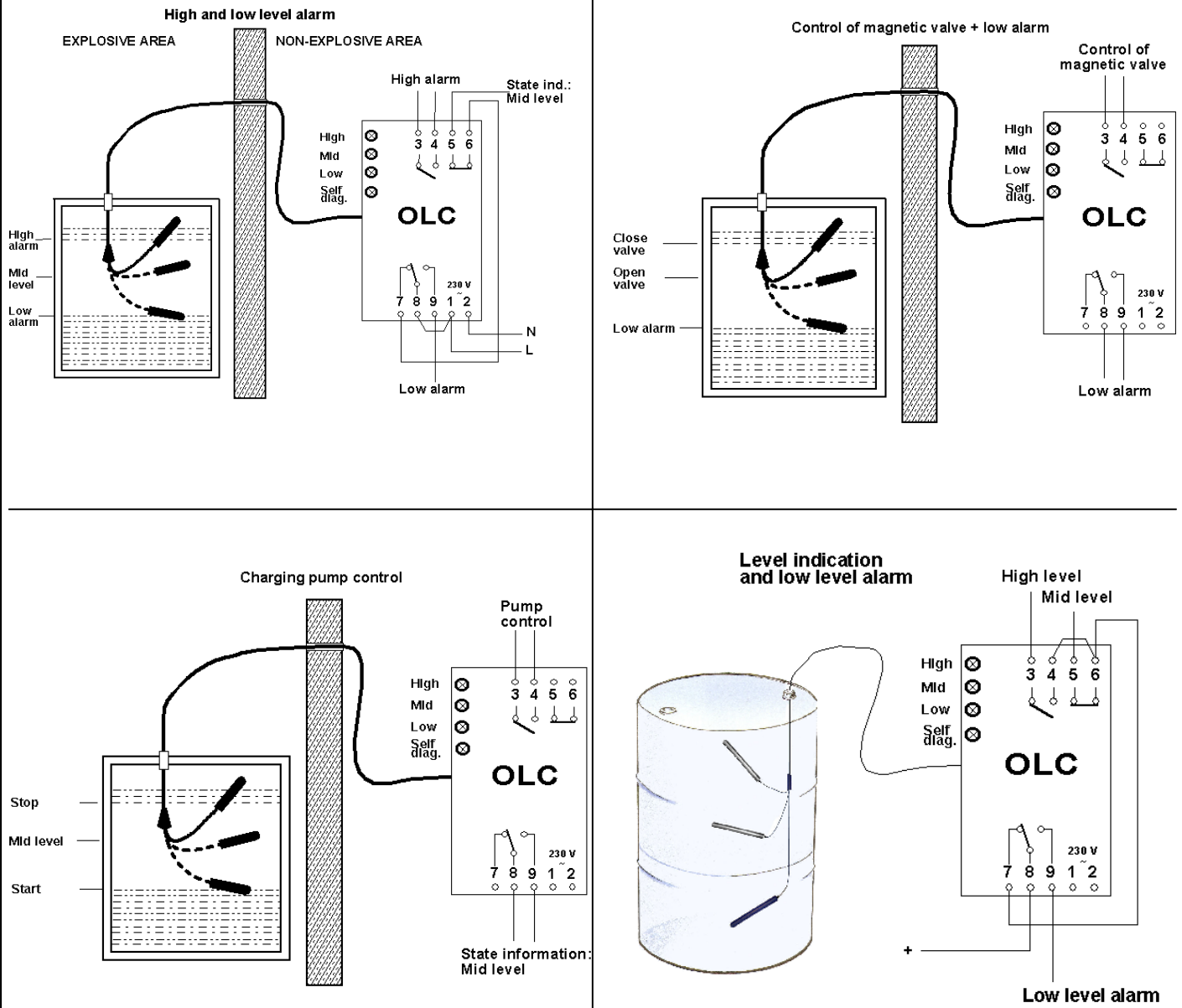
The probe is made of polypropylene (PP) and the light cable is polyethylene (PE) isolated, so they are very strong against different chemicals. The OLP probe is delivered in three light cable lengths: 3m, 5m or 10m (the light cable must not be shortened).



Blanes
PRESSURE SOLUTIONS CC

OLC-2 does not require an Exi isolator unit, because there is no electrical connection between the probe and the control box. Thus OLC-2 is very suitable for observing and controlling the level of flammable liquids.

EXAMPLES OF USE



TECHNICAL INFORMATION

ATEX class <Ex> II (1) GD [Ex op is] IIC (Ga/Da)
 Supply voltage 230V AC, 50Hz, 1.2 VA
 Two relays potential free contacts

Relay 1 Two separate contacts, one opening, the other one closing
 Max. current/power 8A 250V AC 2000VA
 8A 30V DC 240 W
 Min. current 100 mA 5V DC

Relay 2 One change over contact
 Max. current/power 6A 250V AC 1500VA
 Min. current 100 mA 5V DC (available 1 mA 1V DC)
 Operating temp. -15 C...+60 C

CASING Polycarbonate, transparent cover
 Measures 125 x 125 x 100 mm
 Tightness IP 44

PROBE (OLP) polypropylene, ø 23mm, length 215mm
 Light cable polyethylene, length 3, 5 or 10 m
 Light cable feedthru nitrile rubber
 Probe ATEX <Ex> II 1 GD Ex op is IIC T6 T80°C Ga/Da

VTT 08 ATEX 021X