



Automatic conventional fire detection and fire alarm control panel with extinguishing functionality.

CLVR 02EXT: 2 zones extinguishing control panel.

The control panel incorporates a third configurable zone as conventional separate zone from extinction in order to protect against fire small areas close to the flood/extinction zone, or allow the supervision of an external fire protection system giving a fault indication, such as a pressure switch contact.

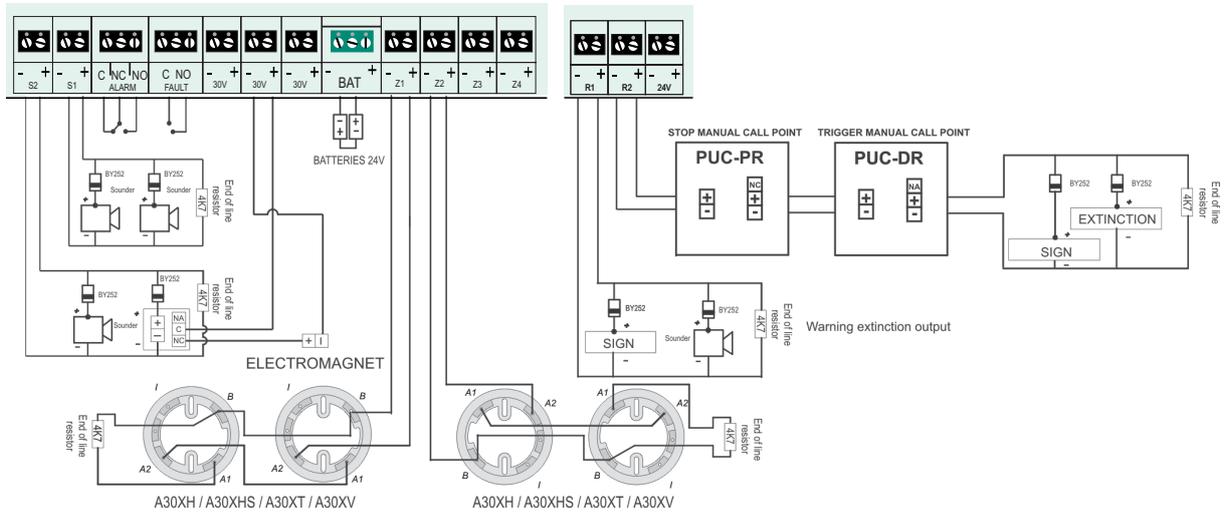
CLVR control panel characteristics are common among all its models.

Features:

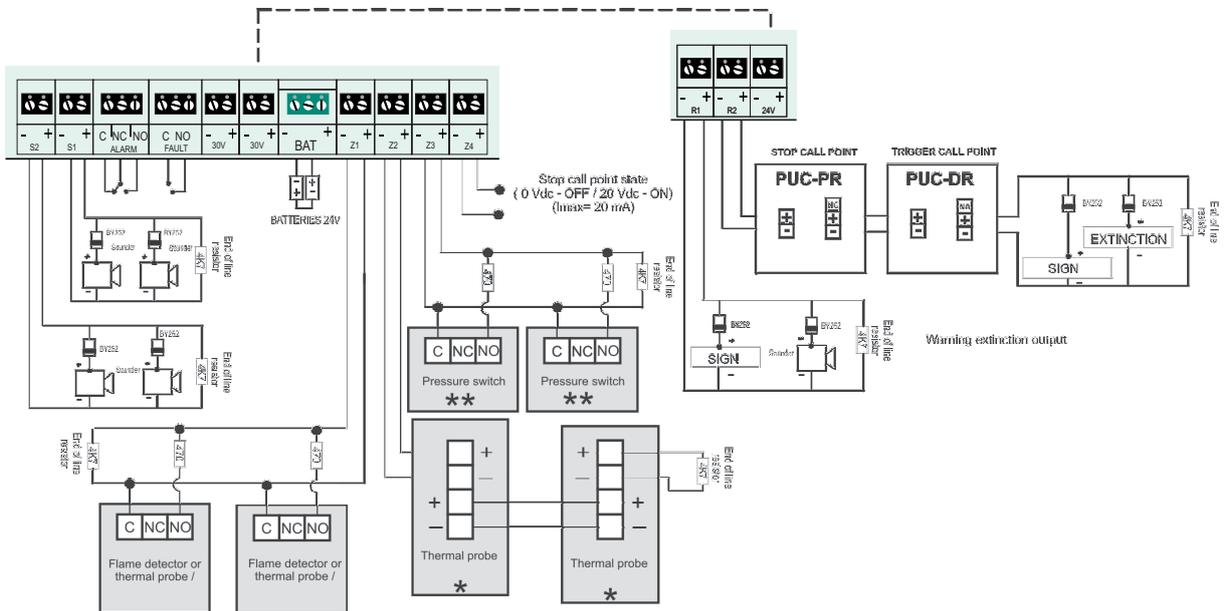
- 2 zones control panel with extinguishing functionality for conventional detectors and call points use.
- Third additional zone configurable as an alarm and detection zone for conventional detectors and call points or as a monitoring input of an external fire protection system.
- Same technical features as conventional CLVR control panels (2 general sounder outputs, 1 alarm output, 1 fault output, 230Vdc outputs, test mode, threshold setup, metallic cabinet, etc).
- 3 modes of operating extinction:
 - Standard mode: Output R1 of pre-warning is activated with Zone 1 or Zone 2 in alarm status.
 - Consecutive mode: Output R1 is activated intermittently (1 second with Zone 1 or Zone 2 in alarm status, 0,5 seconds with Zones 1 and 2 in alarm status, and continuing once the output R2 delay is finished).
 - Simultaneous mode: Output R1 is activated with Zones 1 and 2 in alarm status.
- Stop and activation extinguishing button directly in the control panel.
- Possibility to install manual stop and activation buttons near the flood zone.
- 1 extinction output ("R2") supervised, temporized supervised, temporized between 0 and 60 seconds, protected by a resettable fuse.
- Delay for R2 extinguishing output reset after extinguishing activation temporized between 0 and 30 minutes.
- MODBUS protocol over RS485 on demand.
- Possibility of ON-LINE software in a PC using the MODBUS functionality.
- CONTACTID on demand.
- Certified according EN 54-2, EN 54-4 and EN 12094-1 with CE mark.

TECHNICAL FEATURES

Supply voltage	110/230VAC 50/60Hz	End of line capacitor	4 K7
Output voltage	21 V Nominal	Sounder output voltage	30 V/DC
Max. consumption	70 VA at 230 V/AC	Environmentals conditions	-10°C +50°C
Batteries	2 x 12 V 7 Ah SLA	Size	363 x 331 x 96 mm
Extinction fuse R1/R2	0,5A/0,75A autoreset	Weight (without batteries)	4,3 Kg
Batteries charger	500 mA 27 V/DC 20°C	Standard	EN 54-2, EN 54-4 & EN 12094-1
Devices par zone	32	30v max. current output	1,5 A
Control panel power supply	2,2 A	Extinction module fuse	1,85 A autoreset
Max. current per zone	2 mA (in standby)	S1 output sounder fuse	1,85 A autoreset
		S2 output sounder fuse	0,75 A autoreset



Example of connection with extinction



*Note 1: The wiring diagram of the thermal probe depends of the model.

**Note 2: Zone 3 used for monitoring the pressure switch.

Example of wiring diagram with flame detectors, thermal probes and pressure switches