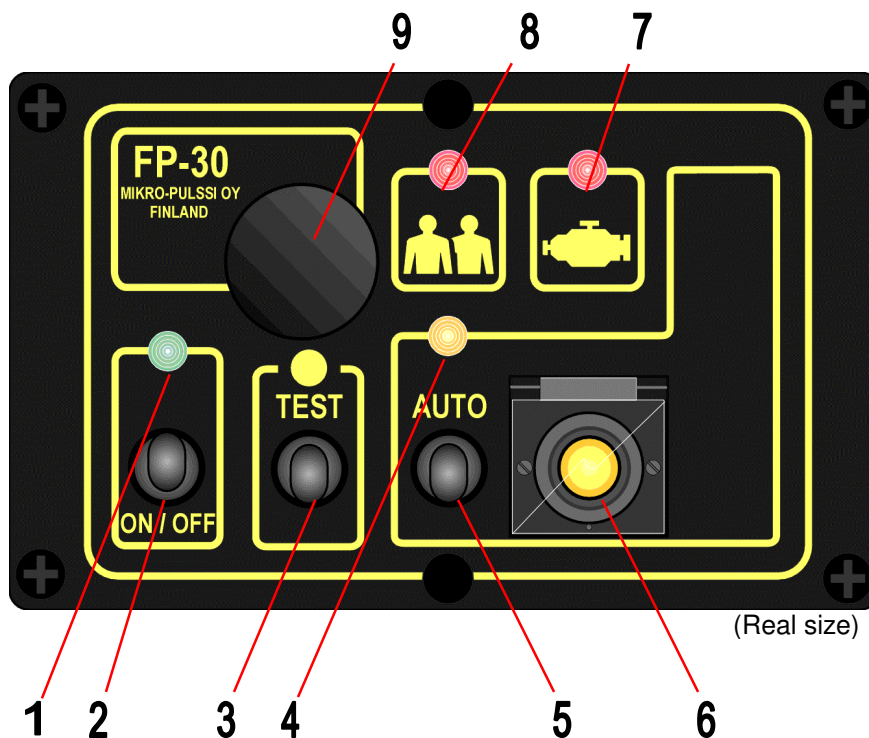


AUTOMATIC FIRE ALARM AND DISCHARGE CONTROL UNIT

FP-30 BUS

FP-30 BUS is a multi-function fire alarm and discharge control unit for different types of fixed fire protection systems. Special attention has been paid to reliability, safety and applicability for versatile applications.

Microprocessor based control unit guarantees reliable operation and effective fire extinguishing. There are two (2) separate detector loops and one (1) discharge circuit in the control unit. Function of the system can be chosen between fully automatic and manual mode. The control unit monitors automatically system functions and indicates possible faults to the operator.



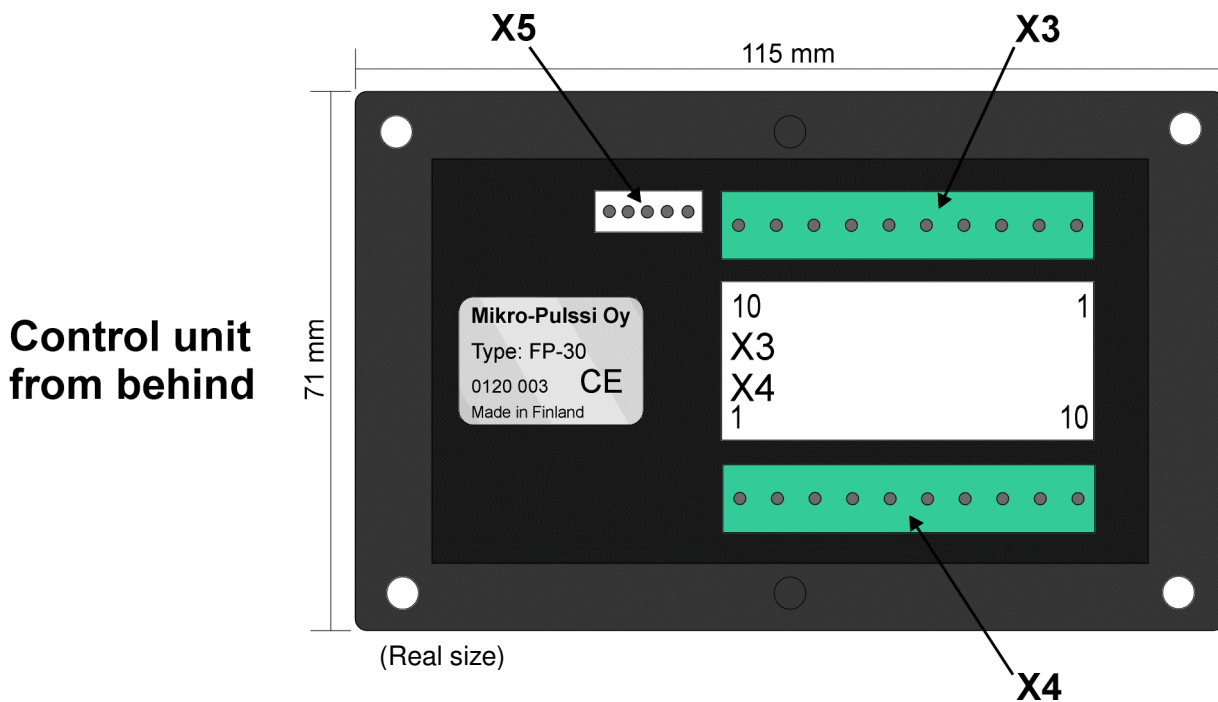
OPERATOR PANEL

1. Green LED (power ON/OFF).
2. Reset –switch for active fire detectors.
3. Manual Test –switch for system functions.
4. Yellow LED for function mode and fault indication.
5. Automatic/Manual mode -switch.
6. Manual discharge button for engine compartment, always applicable.
7. Engine compartment, red LED for fire alarm and fault indication.
8. Personnel compartment, red LED for fire alarm and fault indication.
9. Buzzer for fire alarm and fault indication.

SIGNIFICANT FEATURES OF THE CONTROL UNIT

- Compact size ensures easy mounting to versatile applications
- Simple operator panel - easy to use.
- Provides 24 h fire protection for applications.
- Supply voltage +24 VDC (12 V) monitoring.
- Compatible with most fire detectors.
- Discharge signal for solenoid valve / electrical detonator.
- Activation of external alarm device.
- Automatic engine and ventilation stop at fire.
- Manual discharge button - always applicable.
- Automatic monitoring and fault indication of the system functions.
- Programmable system functions according to the application.

CONNECTIONS OF THE CONTROL UNIT



X3		X4		X5	
1.	Supply voltage -	1.	Earth	RS 232 PC-connection	
2.	Supply voltage +	2.	Fault signal (OC)		
3.	1. discharge circuit +	3.	Underpressure +		
4.	1. discharge circuit -	4.	3. detector circuit +		
5.	1. detector circuit +	5.	2. discharge circuit -		
6.	Motor stop +	6.	2. discharge circuit +		
7.	Motor stop (OC)	7.	2. detector circuit +		
8.	Voltage control	8.	Manual discharge +		
9.	Ventilator control +	9.	External alarm (OC)		
10.	Ventilator control (OC)	10.	External alarm +		



Mikro-Pulssi Oy

Kaskimäenkatu 1, FIN-33900 Tampere
Tel.+358 3 3122 1400, Fax.+358 3 3122 1469
mpoy@mikro-pulssi.fi www.mikro-pulssi.fi