

FIRECROW ROOF MONITOR

CE



DESCRIPTION:

The Firecrow monitor is specially designed for vehicle application with its motors that can be powered 24v. Firecrow finds typically installation as roof truck monitor. The Firecrow monitor is available 4" diam. with flows up to 6500 lt/min. The Firecrow monitor can be equipped with jet/fog electric nozzle or with air aspirating foam branchpipe with electric deflector. With this second solution, Firecrow can be equipped with special flow rate cut device 100%-50%.

The monitor can be controlled by hardwired input devices via digital input or analogic input, or by an optional Radio Frequency. The control system can be completed with our PLC system or our Canbus modul box, touchscreen, joystick and wireless system.

The Firecrow monitor, thanks to its absolute position sensors, can be completely programmable.

Technical characteristics	
Model	Firecrow
Material	Stainless steel
Max. flow rate	6500 lt/min Optional: flow rate cut device 100%-50% (6000 lt/min - 3000 lt/min or 5000 lt/min - 2500 lt/min). This device is available only with air aspirating foam branchpipe.
Dry chemical powder gun	Optional. Capacity up to 5 kg/sec
Pressures	Design pressure and max. working pressure: 16 bar Hydraulic test pressure: 24 bar
Inlet	Flanged 4" (uni pn 16, ansi 150 rf, jis type, etc.)
Outlet	Flanged according to our standard
Travel	Elevation: -75° +100° (175°); Rotation: -170° +170° (340°)
Manual emergency operation	By handwheels
Voltage	24v
Protection class	IP 66
Control communication	Modbus with our PLC Canbus communication modul with our additional box 2.4 Ghz digital radio frequency (unlicensed)
Absolute position sensors	4-20 milliamper or 0-10volt
Led lights	Optional

Control system (optional)

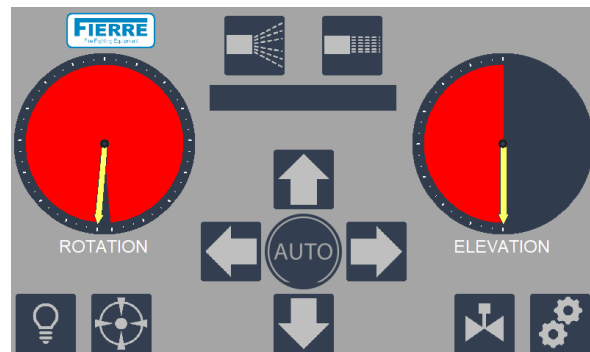
Joystick's and touch screen configurations are considered as an example.
Different custom made configurations are available on request.

- Pushing down the monitor will move down
- Pulling up the monitor will move up
- Pushing on the right the monitor will turn to the right
- Pushing on the left the monitor will turn to the left
- Possibility of configuration of push buttons in order to open/close supply valve, switch on/off led lights and manage nozzle's movements



Touchscreen sample:

- Arrow buttons to move the monitor
- Jet/fog buttons to move the nozzle
- Valve button to open/close water supply valve
- Park/attack positions buttons available on request
- 100%-50% flow rate cut push buttons (optional)
- Led lights on/off (optional)



Wireless system:

- Push buttons to move the monitor
- Jet/fog push buttons to move the nozzle
- Valve push button to open/close water supply valve



Technical Data

Operating range	UHF
ISM band working frequency	868,0125 + 869,9875 MHz
Working, transport and storage temperature	-20 + +55 °C
Operating rangeRaggio d'azione	150 m
Hamming distance	≥10
Passive safety stop time	< 1 s
Active safety stop time	< 0,35 s

Transmitter	Mini
Antenna	built-in
Power supply	Li-Polymer battery pack 3,7
Transmission consumption	< 25 mA
Absorbed power	< 0,1 W
R.F. emission power	< 5 mW ERP
Flat battery warning notice	~ 10 minutes
Charged battery autonomy at 20°C	approx. 50 hrs
Protection level	IP67
Dimensions	60x113x26 mm
Weight	100 g

DRAWINGS

