Monitors

Commando Exd Electric Remote Controlled Monitor 2151EX 65mm

FIRE ENGINEERING
Pty Limited

Description

The Commando Hazardous Area monitors are stainless steel monitors with computer controlled motor driven swivels for the most flexible remote control we know of. The motor units are Hazardous area certified to IECEx or ATEX for Class 1, Zone 1 areas, IP66.

Swivel units are fully enclosed for long service life. The monitor can be used with Orion fog nozzles.

The Commando monitors are designed for use in extreme environments. The monitors are fully programmable and may be programmed for a range of preset movements & preset limits. Full position monitoring for the monitor is available if they are network controlled.

The Commando monitors are controlled over a network using the robust Modbus protocol. Wiring to is extremely simple, simply requiring power (24 VDC) and network cables which makes installation extremely simple. They may also be hard wired though some functionality is not available with this option.

The Commando monitors represent some of the most corrosion resistant monitor ranges available. Key features that make these monitors so reliable are:

- No external parts made from aluminium or steel.
- Fully enclosed swivels.
- Corrosion resistant motors.
- No external limit switches or position sensors.
- Wide elevation movement and up to 500 degrees of rotation movement.
- Dust seals in swivels.

ORION FIRE ENGINEERING PTY LIMITED
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Orion hazardous area monitors are also extremely simple to install and commission.

- Cabling requirements are much simpler, just network and power.
- Configuration is also simple, and it is all done from the control room, by one person using a notebook omputer and a web browser.

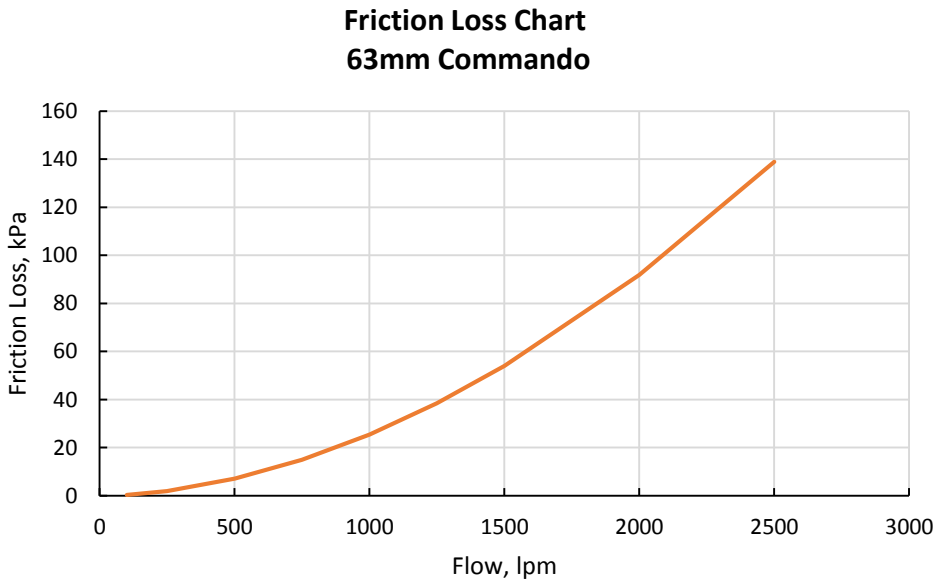
Specifications

	Commando 65mm 2151EX
Maximum Recommended Flow:	2,500 lpm
Horizontal Rotation:	-250º to +250º
Vertical Movement:	-75º to +90º
Inlet Connection	Flanged 3" ANSI #150
Outlet Connection	65mm BSP Male

Materials of Construction

Waterway:	316L Stainless Steel
Swivels:	316L Stainless Steel
Inlet Flange:	316L Stainless Steel
Balls:	Brass
Grease Nipples:	316 Stainless Steel
Fasteners:	316 Stainless Steel
Motor Housing:	Brass

These monitors are also available in a variety of high performance stainless steel alloys such as SAF 2507, 6Mo and 254 SMO. Minimum order quantities would apply.



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Control Functions

Left-Right movement
Up-Down movement
Spray-Jet pattern control for nozzle

Optional –Standard movement speed is 6 degrees per second but this may be adjusted.

Optional – preset oscillation modes
– preset parking position

The monitors are network controlled and may be programmed for preset oscillating movement. As a result of the "Smart" nature of these monitors they do not require detailed control by the network controller which greatly reduces network traffic and this makes them ideal for larger systems. They also provie substantial feedback to the operator for trouble shooting and continually monitor the monitor status.

Only a two core screened cable plus power supply is required to operate the monitor and nozzle when networked, making cabling extremely simple.

Power Requirements

24 VDC, 6 Amps

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