

Monitors

Commando Exd Electric Remote Controlled Monitor Model 6151EX



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 best controlled over a network using the robust Modbus protocol. Wiring to is extremely simple, simply requiring power (24 VDC) and network cables. 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 monitors 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 seal on swivels

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.

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900 FAX (61) 2 8783 5400

Visit our Website www.orion-fire.com.au Email: sales@orion-fire.com.au

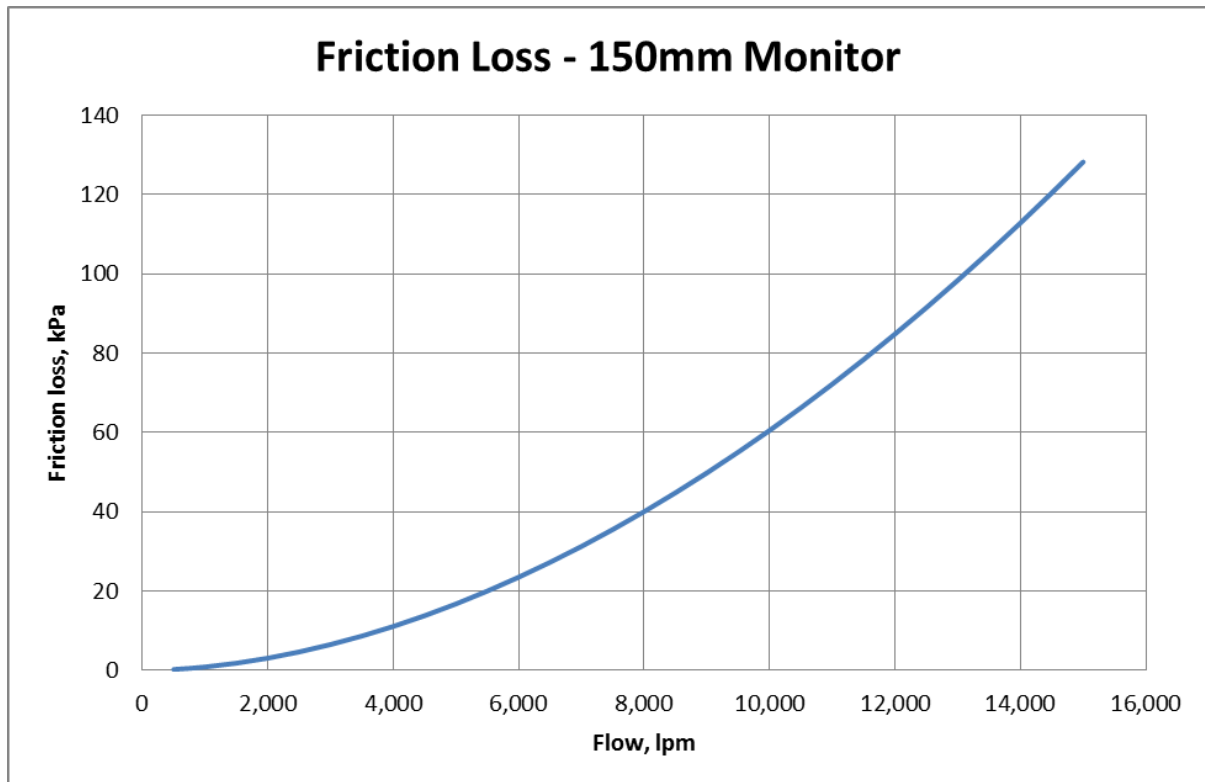
Specifications

Commando 150mm 6151EX	
Maximum Recommended Flow:	15,000 lpm
Horizontal Rotation:	-250° to +250°
Vertical Movement:	-75° to +90°
Inlet Connection	Flanged 6" ANSI #150
Outlet Connection	100mm or 150mm 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 as well as Titanium.



ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900

FAX (61) 2 8783 5400

Visit our Website www.orion-fire.com.au Email: sales@orion-fire.com.au

Control Functions

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

Optional – Standard movement speed is 5 degrees per second but this may be adjusted.

Optional – preset oscillation modes
– preset parking position

The Commando monitors are designed for use with the Orion FireNet monitor control system. 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.

Only a 2 core screened cable is required to operate the monitor and nozzle when networked, making cabling extremely simple.

Power Requirements

24 VDC, 10 Amps

Options

Inlet Flange: ANSI #150 RF

ORION FIRE ENGINEERING PTY LIMITED

ABN 80 002 538 696

26A LYN PARADE PRESTONS NSW 2170 AUSTRALIA

Tel (61) 2 9426 7900 FAX (61) 2 8783 5400

Visit our Website www.orion-fire.com.au Email: sales@orion-fire.com.au