

# TECHNICAL DATA SHEET

## ELECTRICAL CONTROL PANEL DIRECT START-UP



Reliable and complete control for industrial fans

Iperjet electrical panels with direct start-up are designed for the control and protection of fans in air extraction and filtration systems, where robust, safe, and flexible control is required, including remote operation.

A complete industrial solution, designed for professional applications that require more functions than the ECOLINE version, while maintaining long-term simplicity and reliability.

Safe area and ATEX versions available, with UL certifications for international markets

## TECHNICAL FEATURES

### APPLICATION FIELD

- Motor power: from 0.25 kW to 7.5 kW
- Industrial air extraction and dust collection systems
- Fans with direct start-up
- Indoor and outdoor installations

Suitable for systems requiring local and remote control, complete signaling, and integrated safety devices

### DIRECT START-UP WITH ADVANCED MANAGEMENT

The control panel enables:

- direct motor start-up
- manual / automatic operation
- provision for external or remote automatic start-up
- local control via start / stop pushbutton

This configuration makes the panel ideal for systems integrated with automation systems or filter control units.

### COMPLETE SAFETY AND PROTECTION

Iperjet Direct Start-Up panels integrate:

- main isolator with door interlock
- fuse protection
- Class 20 thermal overload relay for motor protection
- emergency mushroom pushbutton
- safety transformer for auxiliary circuits

A solution designed to ensure maximum safety for both the system and the operators.

#### CLEAR AND IMMEDIATE SIGNALING

- The front panel is equipped with:
- power supply present indicator
- fan operation indicator
- fan thermal trip indicator

Visual signaling allows immediate monitoring of system status, simplifying diagnostics and reducing intervention times.

#### IP65 INDUSTRIAL CONSTRUCTION

- Painted enclosure RAL 7035
- Protection rating IP65
- Robust enclosure suitable for industrial environments
- Compact dimensions for easy installation

Manufactured with top-tier components:

- Siemens
- Schneider Electric
- Socomec
- Finder / Omron
- WAGO

#### REGULATORY COMPLIANCE

Iperjet direct start-up electrical panels are designed and manufactured in compliance with:

- EN 61439-1 / EN 61439-2
- Directive 2014/35/EU (Low Voltage Directive)
- EN 60204-1
- EN 61000-6-4
- EN 60529

Each control panel is supplied complete with:

- electrical wiring diagram
- instrumental testing and commissioning tests
- declaration of conformity

#### READY FOR ACCESSORIES AND SYSTEM INTEGRATION

The control panel can be easily integrated with:

- external control units for filter cleaning management
- differential pressure (dP) alarm signaling

A solid foundation for future system upgrades.

## ADVANTAGES

- ✓ Reliable direct start-up
- ✓ Manual and automatic operation
- ✓ Ready for remote control commands
- ✓ Fully integrated safety features
- ✓ Clear system status indication
- ✓ IP65 industrial construction
- ✓ Ideal for air extraction and filtration systems