

InteliDrive EM

ELECTRIC MOTOR CONTROLLER



Description

The InteliDrive EM is an integrated control solution for Single or Three phase AC electric motors. It allows operation of the motor either manually, remotely or automatically. The InteliDrive EM controller has many motor protections as standard including both overload and overcurrent protection. Many different applications which are driven by an electric motor can be controlled and protected by the controller. Optional remote control allows complete monitoring of the application.

Like all ComAp products, ease of use is an important design philosophy, so InteliDrive EM features a powerful graphic display providing user-friendly information in an easy to understand format. Instrumentation of internal values on analog gauges makes it simple to use, even for untrained personnel. Remote control and monitoring is possible via analog/GSM/GPRS modem or Internet. The InteliDrive EM controller is provided with LiteEdit PC software enabling the user to freely configure the inputs and outputs to suit individual application requirements.

The controller also features a built-in event and performance log with a Real time clock which makes troubleshooting even simpler and helps safeguard suppliers' warranty.

Benefits

- ▶ GPRS Internet or SMS monitoring. Remote monitoring helps reduce call-out costs of service engineers.
- ▶ GPRS Internet or SMS control. Wireless remote control allows realizing completely new functions of the motor.
- ▶ Active SMS or E-mails in the event of an alarm
- ▶ Detailed History Log – easy troubleshooting and warranty claim handling
- ▶ ON/OFF regulation of process value based on binary or analog signal
- ▶ Less engineering and programming for wide applications
- ▶ Integrated solution – less wiring and components



AirGate
Modern communications made simple. ComAp's powerful AirGate technology is provided in a range of our controllers and makes remote internet connection to the ComAp controller easy. Just register the AirGate enabled controller on our website and from then on let ComAp's unique system locate and maintain contact with the controller, no need to worry about VPN's, Static IP addresses or corporate firewalls, simple! "AirGate – Simply connected."



ComAp is a member of AMPS (The Association of Manufacturers of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.



Selected ComAp products have the UL Certification.

Features

- ▷ Electric Motor control, monitoring and protection
- ▷ All common ways to start asynchronous motor: direct, Y-D, SoftStarter starting, Optimized Y-D starting (v 1.1 and higher)
- ▷ Selectable protections alarm/shutdown
- ▷ Setpoints adjustable via keyboard or PC
- ▷ 3 level of password protection
- ▷ USB, RS485 or RS232, GSM/GPRS, ModBus communication
- ▷ Real time clock and event history log
- ▷ Automatic or manual start/stop of the motor
- ▷ Speed reversal (v 1.1 and higher)
- ▷ Cascade control - start of several motors by one controller (v 1.1 and higher)
- ▷ Incorporated PID regulator (v 1.1 and higher)
- ▷ Push buttons for simple control, lamp test
- ▷ Graphic back-lit LCD display 128 x 64 pixels
- ▷ 7 configurable binary inputs and outputs
- ▷ 3 configurable analog inputs
- ▷ 2 LED indicators
- ▷ Front panel sealed to IP65
- ▷ Power supply 8–36 VDC
- ▷ Operating temperature
 - -20 °C to +70 °C regular unit
 - -40 °C to +70 °C low temperature unit
- ▷ 3 phase protections
 - Over/under voltage
 - Voltage asymmetry
 - Overcurrent/overload
- ▷ True RMS current and voltage measurement
- ▷ SW for oscilloscopic recording of values

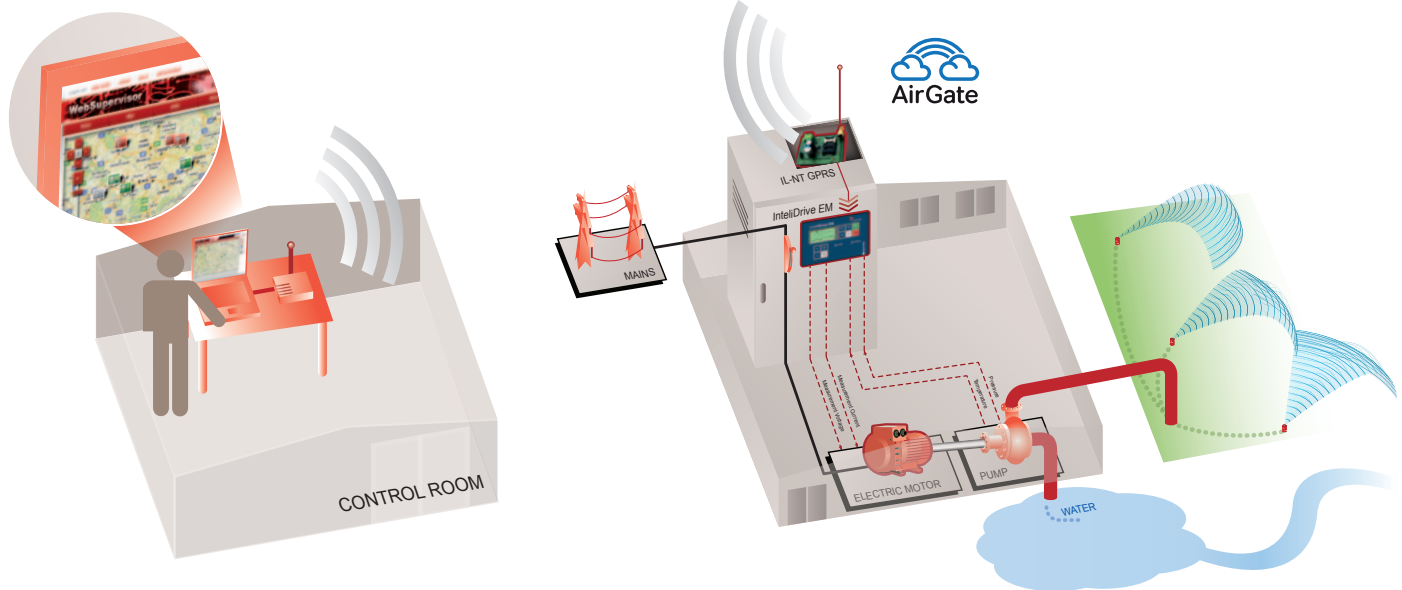
Communication modules and PC tools

- ▷ **IB-Lite** – Internet/Ethernet Plug-in Module including Web Server
- ▷ **IL-NT RS232** – RS232 Extension Board
- ▷ **IL-NT RS232-485** – Dual Port Extension Board
- ▷ **IL-NT S-USB** – Plug-in Service USB Module
- ▷ **IL-NT GPRS** – GSM/GPRS Modem
- ▷ **LiteEdit** – PC Configuration and Monitoring Tool
- ▷ **WinScope** – Special Graphical Controllers' Monitoring Software (PC oscilloscope)
- ▷ **WebSupervisor** – Web Based System for Monitoring and Controlling of ComAp Controllers

Extension modules and remote display

- ▷ **IL-NT AIO** – Analog Input/Output Module (4x AI and 1x AO)
- ▷ **IL-NT AOUT8** – Analog Outputs for PWM Gauges Module (8x AO)
- ▷ **IL-NT BIO8** – Binary Input/Output (PWM) Module (8x BI or BO)
- ▷ **IL-NT IO1** – Binary Input/Analog Output Module (4x AO and 4x BI)
- ▷ **IGS-PTM** – Analog/Binary Input/Output Module (4x AI, 1x AO, 8x BI, 8x BO)
- ▷ **IGL-RA15** – Remote Annunciator
- ▷ **IL-NT RD (SW)** – Remote Display Software for the Master Controller

Typical application



MANUFACTURER:

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LOCAL DISTRIBUTOR /PARTNER:



Customer satisfaction is our mission. We continuously develop the best people to succeed in our mission.