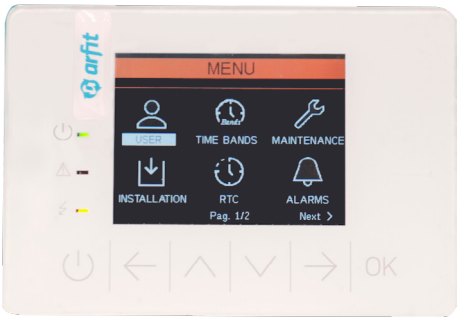




SMART EVOLUTION



Plug & Play



Display

DESCRIPTION

The SMART EVOLUTION control system allows complete management and monitoring of product operation with all functionalities and accessories, such as free-cooling/free-heating management, fixed or variable speed fans, water heating or cooling coil control, electric heating coil control, filter clogging monitoring, time scheduling, constant airflow control, and indoor air quality control.

Its elegant display allows simple and intuitive visualization and control of unit operation.

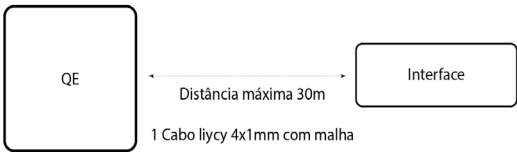
ADVANTAGES

- Plug & Play units with included field equipment.
- ModBUS RTU communication protocol.
- Operating hours record per component and alarm history.
- Daily and weekly scheduling.
- Remote display possibility.
- Optional control for water coil or electric heating coil, constant airflow regulation, or CO₂ control.

FUNCTIONS

DDC controller with remote digital display and communication through standard protocol (ModBUS RTU/ASCII). IP65 electrical panel mounted on the unit, equipped with external main isolator switch. All field equipment required for correct unit operation is included.

REMOTE INSTALLATION



FEATURES

CHARACTERISTICS	SMART EVOLUTION
Plug & Play control system	●
Electrical panel with all protections	●
Main isolator switch	●
Fully installed field equipment	●
On-Off Remote	●
Summer / Winter changeover Remote	●
ModBus-RTU interface for BMS connection	●
Operating modes: Economy / Night / Day	●
Last maintenance date record	●
Alarm history	●
Operating hours monitoring per component	●
Heat recovery defrost system	●
BYPASS*	SMART EVOLUTION
Bypass control with 2 temperature sensors and servomotor	Standard ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Fresh air temperature display	Standard PURE*
Free Cooling set point	●
Free Heating set point	●
Automatic Summer / Winter changeover	●
DISPLAY	SMART EVOLUTION
Fresh air temperature display	●
Extract air temperature display	●
Supply fan airflow adjustment /Retorno	●
Supply fan airflow adjustment	○
Return fan airflow adjustment	○
Clogged filter indication	○
Fan failure indication	●
Daily and weekly scheduling	●
Controller with integrated digital display for control and visualization of all parameters and alarms	SMART PRO
Digital interface	●
Backlit display	●
CONTROL*	SMART EVOLUTION
Air conditioning temperature control by sensor and modulating 3-way valve	Standard PURE* Opcional ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Heating temperature control by sensor and modulating 3-way valve	Standard PURE* Opcional ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Electric heating temperature control by staged electric heaters	Standard PURE* Opcional ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Fan delay for post-ventilation	Standard PURE* Opcional ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Cooling temperature control by sensor and condenser control system	Standard PURE* Não disponível ECOAIR/ ECOEVO EC/ ECOEVO PLUS*
Constant airflow	○
CO ₂ control by ambient sensor	○

● Standard

○ Optional

* According to each unit configuration

NOTE: Functions applied according to the unit.