

ECOMATIC® 4.0

Control

High-quality control system for the reliable and safe operation of adsorption dryers



Rev 01_0726



Basic

Comfort

Premium

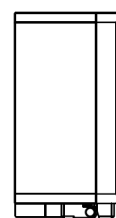
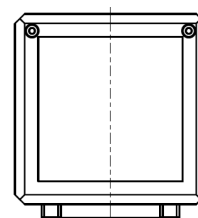
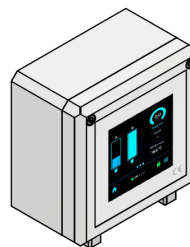
ECOMATIC4.0

BASIC | COMFORT | PREMIUM

Features

- Customer-friendly upgrade from the Basic version to a higher-spec control variant, which can be retrofitted at any time
- Dew point-dependent control and compressor synchronisation
- Industry 4.0 highlights: connection to the KSI ECONET online system monitoring system, storage of changes to operating parameters, data logging of all input signals including graphical visualisation, 2 virtual channels, 2 additional freely configurable inputs and much more

Housing



Width 140 mm | Height 151 mm | Depth 81 mm

Functions	ECOMATIC4.0 Basic	ECOMATIC4.0 Comfort	ECOMATIC4.0 Premium
	Standard	Upgrade	Upgrade
Included as standard with all ECOTROC® AT adsorbers fitted with a control unit	✓	optional	optional
Control unit with fixed cycle times	✓	✓	✓
Display of adsorption/regeneration cycle	✓	✓	✓
Energy-saving compressor synchronisation control	✓	✓	✓
Cycle times variably adjustable (selectable)	✓	✓	✓
Status display and potential-free alarm signal for servicing	✓	✓	✓
Can be easily retrofitted to all ECOTROC® AT desiccant dryers (including older models)	✓	✓	✓
Can also be used with adsorption dryers from other manufacturers (subject to configuration by KSI)	✓	✓	✓
Service interval display; intervals can be set, including based on input signals	✓	✓	✓
Password protection at all levels	✓	✓	✓
Notification and alarm messages can be sent via email via Econet		✓	✓
Dew point measurement and display down to –100 °C		✓	✓
Dew point dependent control of the dryer		✓	✓
Integrated load cycle counter (may enable tank inspections at a later date)		✓	✓
Storage of changes to operating parameters with time stamps (retained in the event of a power cut)		✓	✓
Connection for visual & audible signals (flashing light, horn, etc.)		✓	✓
4–20 mA signal output from any input signal		✓	✓
Control as a 'Modbus master' with touchscreen display for connectable data boxes		✓	✓
Can be used as the basis for the KSI ECOCONTROL online system monitoring system		✓	✓
2 configurable inputs with selectable signal input: 0–10 V or 4–20 mA (2-wire)		✓	✓
Wi-Fi parameterisation		✓	✓
Econet cloud connection via Wi-Fi		✓	✓
4 freely configurable alarms (pre-alarm and main alarm for each)		✓	✓
2 virtual channels (mathematically calculated values)		✓	✓
GSM module		optional	optional
Local data logging of all input signals, including graphical visualisation		optional	optional
Temperature measurement at the dryer inlet and display on the control display			✓
Pressure measurement at the dryer inlet and display on the control display			✓
Scope of supply			
Control	✓	✓	✓
Dew point sensor ET-SENS		✓	✓
Pressure transmitter MES-PT-016-G14-TEC & fittings			✓
Cable temperature sensor MESS-PT-1000 & fittings			✓