

Humidity Measurement and Control

EHP is a series of controllers for regulating air humidity on the basis of a signal received from an air humidity transducer.

The EHP series is ideal where a signal is required to an air humidifier/dehumidifier in order to raise or lower the existing level.

The EHP takes up little space and is installed on a DIN-rail in an electrical panel together with other control devices.

The EHP controller is designed to provide our customers with an advantageous combination of high quality, precise control and low life-cycle costs.

FUNCTIONS

Panel Installation

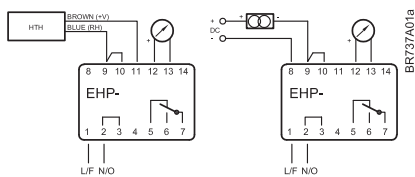
The EHP series is designed for DIN-rail installation, thus providing a more discreet solution.

Independent Transducer Location

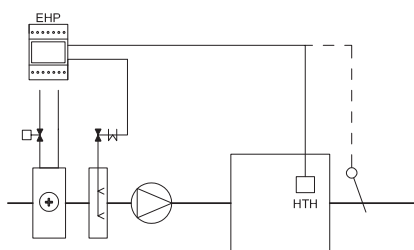
As the EHP controller is designed for use with an external transducer (type HTH), the transducer can be installed independently of the controller.

Compensation

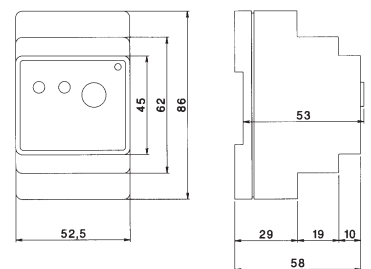
It is possible to compensate for transducer and system tolerances to achieve optimum control.



Wiring, EHP



Application example



Dimensions - EHP

TECHNICAL DATA

Supply voltage	230V AC $\pm 10\%$, 50/60 Hz
Alarm relay	SPCO, 10 A, 250V
Transducer input	4-20 mA
Transducer supply	11V DC
Regulating range	10-90% RH
ON/OFF differentia	1-10%
Ambient temperature	-10/+50°C
Accuracy	$\pm 2\%$
Power consumption	3 VA
Dimensions (W/D/H)	52.5 x 58 x 86 mm
Enclosure	IP20
Weight	180 g

CE MARKING

EHC and EHP controllers meet the requirements contained in the following standards:

EMC DIRECTIVE	LOW VOLTAGE DIRECTIVE
EN 50081-1 EN 50082-1	EN 60730-1

INSTALLATION

EHP Installation

EHP is designed to be mounted on a DIN rail inside an enclosure with a suitable rating.

Control Signal Cable Installation

The transducer cable may be up to 50 m in length. The transducer cable must be kept separate from mains-carrying cables as voltages may otherwise be produced that can interfere with transducer and controller function.

PRODUCT PROGRAM

TYPE	PRODUCT
EHP-15	Hygrostat for mounting on DIN rail, 230V AC

ACCESSORIES

HTH-6121	Humidity transducer for wall mounting in rooms with dust-free air, 4-20 mA
HTH-6122	Humidity transducer for suspension or wall mounting in aggressive environments, 4-20 mA, 150 mm