



WALL-MOUNTED HUMICAP® HUMIDITY AND TEMPERATURE TRANSMITTER HMW90 SERIES

VAISALA

DESCRIPTION

The **Wall-Mounted Vaisala HMW90 Series HUMICAP® Humidity and Temperature Transmitters** measure the relative humidity and temperature of indoor environments, where high accuracy, stability, and reliable operation are required. The **HMW90 Series** includes models for both current and voltage output. These flexible transmitters offer a variety of options and features. Transmitters are available with an optional display. The **HMW90 Series** humidity transmitters are quick and easy to install. The wiring is connected secured to the wall through the back plate and the electronics with the sensors can then be easily snapped on. Dip switches for transmitter configuration can be accessed when the enclosure is open.



HMW90 Series



FEATURES

- **Easy installation, configuration and field adjustment**
- **±1.7% accuracy**
- **Optional relay (HMW93 only)**
- **NIST calibration certificate included**
- **Long term stability with HUMICAP® 180R sensor**

APPLICATION

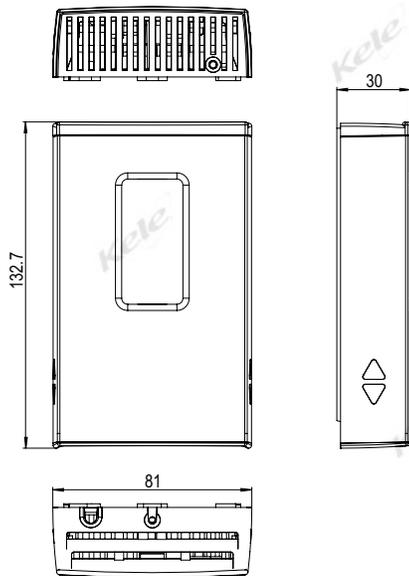
- **Museums and archive facilities**
- **Production and warehouse facilities**
- **Data centers**
- **Laboratories**
- **Testing environments**

SPECIFICATIONS

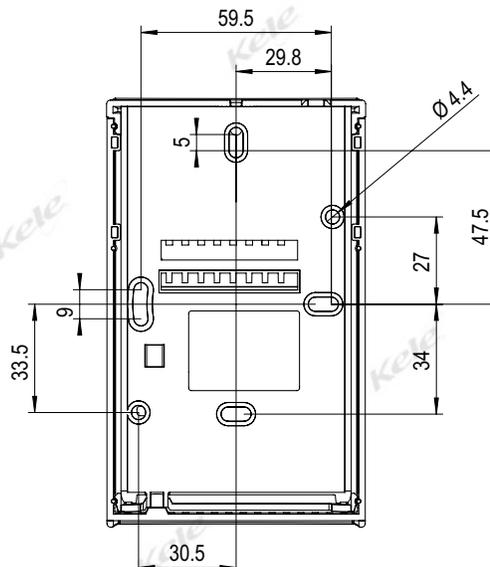
Accuracy	±1.7% RH @ 50° to 104°F (10° to 40°C) from 0 to 90% RH	Relay Output (93 model only)	50 VAC/VDC @ 0.5 A
Stability	±0.5% RH/year	Display	4 line w/Temp & Humidity indication
Supply Voltage		Sensing Technology	HUMICAP® 180R
HMW92	10 to 28 VDC	Operating Temperature	23° to 131°F (-5° to 55°C)
HMW93	18 to 35 VDC, 24 VAC ±20%, 50/60 Hz	Enclosure Rating	NEMA 1, IP30, UL-V0, ABS/PC
Signal Output		Wiring Terminations	Screw terminals
HMW92	4-20 mA @ 700Ω	Dimensions	5.22"H X 3.19"W X 1.18"D (13.27 X 8.1 X 3.0 cm)
HMW93	0 to 5/10 VDC (dipswitch selectable)	Approvals	CE
Measurement Range		Weight	0.34 lb (0.16 Kg)
RH	0 to 100%	Warranty	2 years
Relay Type (93 model only)	SPST		

9 HUMIDITY

DIMENSIONS



HMW90 Series Dimensions



HMW90 Series Mounting Base Dimensions

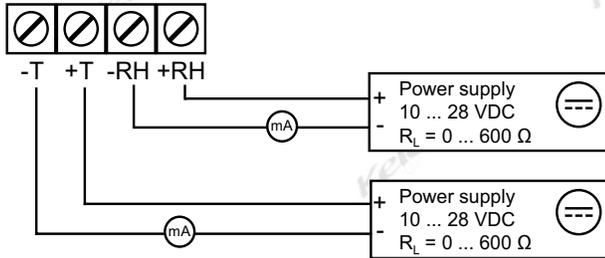


HUMIDITY

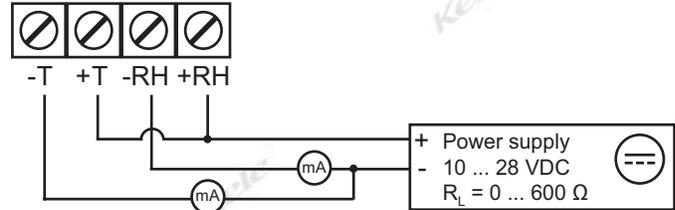
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WIRING

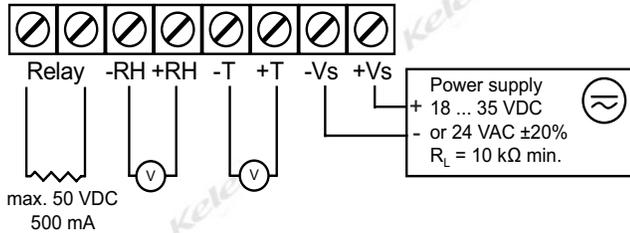
HMW92 Wiring (2 Power Supplies)



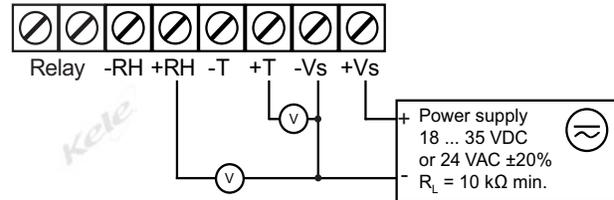
HMW92 (Three-wire connection)



HMW93 Wiring



HMW93 (Three-wire connection)



ORDERING INFORMATION

MODEL
HMW92
HMW92D
HMW93
HMW93D

DESCRIPTION

Humidity and Temperature transmitters with two current outputs, w/hidden display
 Humidity and Temperature transmitters with two current outputs, with visible display
 Humidity and Temperature transmitters with two voltage outputs, relay, w/hidden display
 Humidity and Temperature transmitters with two voltage outputs, with visible display, relay

HTM10
DCPA-1.2
691-K0A
DCP-1.5-W

RELATED PRODUCTS

HMW90 series replacement sensor element
 Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
 Control transformer, 120:24 VAC, 40 VA, Class 2
 Power supply, 24 VAC IN to 24 VDC OUT