

Temperature and humidity measuring transducer AFT/ATFT

for use in outdoor areas

ATFT Temperature/humidity measuring transformer, 0–10 V and 4–20 mA

AFT Humidity measuring transformer, 0–10 V and 4–20 mA, with passive temperature sensor



Technical data

Operating voltage:	15 ... 35 V ~ / V =
Measuring range (humidity):	10 ... 90 % r.h.
Humidity related accuracy (at 20 °C):	± 3.5 % r.h.
Temperature effect at 45 % r.h.:	-0.09 % r.h./K
Temperature measuring range:	see table
Temperature related accuracy (at 20 °C):	± 0.5 °C
Output signal:	0–10 V or 4–20 mA, selectable via jumper
Ambient temperature:	-5 ... +55 °C
Storage temperature:	-25 ... +60 °C
Safety and EMC:	acc. to DIN EN 60730
Connection:	Screw terminals for 0.14 bis 1.5 mm ² max. cable length 50 m passive temperature sensors only to SELV - max. 30 V ~ / 42 V =
Degree of protection:	IP 65
Housing colour:	pure white, similar to RAL 9010

Application

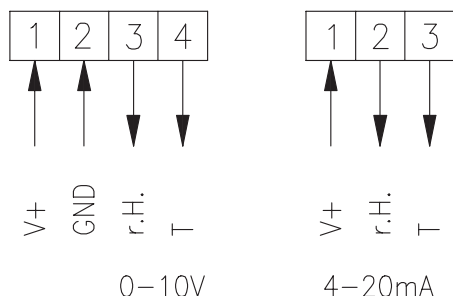
Specially suited for applications in the building automation-, refrigeration-, air conditioning and ventilating engineering or clean room technology sphere or for applications in greenhouses, medical spaces or for meteorological purposes.

See page 118 for the compatible microprocessor controller, JDU-210.

Please pay regard to the EMC directives. Avoid parallel laying of sensor line and mains supply cables or use shielded sensor lines.

Type	Item No.	Equipment	PG
ATFT	G 9260410	Temperature/humidity 0–10 V/4–20 mA; 0... 50 °C	III
ATFT/1	G 9260810	Temperature/humidity 0–10 V/4–20 mA; -20... +80 °C	III
AFT/P100	G 9260510	Humidity 0–10 V/4–20 mA, temperature sensor PT100	III
AFT/P1000	G 9260610	Humidity 0–10 V/4–20 mA, temperature sensor PT1000	III
AFT/NI1000	G 9260710	Humidity 0–10 V/4–20 mA, temperature sensor NI1000	III

0–10V/4–20 mA, connection diagram



Dimensioned drawing

