



HUMIDITY

OUTDOOR ASPIRATED HUMIDITY / TEMPERATURE HOUSING

A21

DESCRIPTION

Model A21 Outdoor Aspirated Humidity/Temperature Housing provides powered aspiration for outdoor monitoring of humidity and temperature. The NEMA 3R enclosure is painted white to reduce the effect of radiation, and the enclosure has a lockable latch for security.

OPERATION

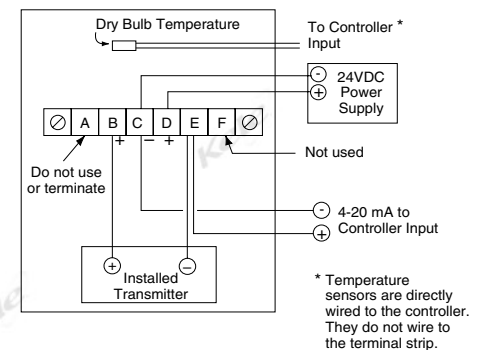
The fan pulls air in from the lower vent intake and exhausts the air out the upper opposing vent of the enclosure at 12 CFM. The 24 VDC power is supplied for both the fan and transmitters. The transmitter power is internally filtered from any fan motor noise that might affect the transmitter signal.



SPECIFICATIONS

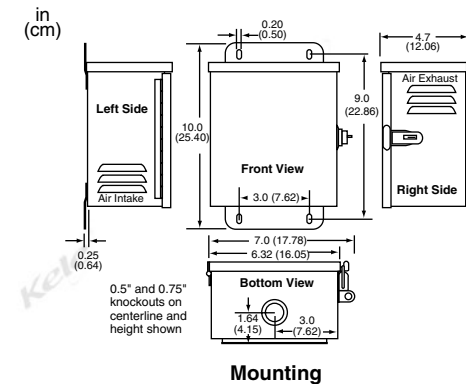
Supply Voltage	24 VDC @ 110 mA (plus power requirements for the humidity/temperature transmitters)	Operating Temperature	-40° to 120°F (-40° to 49°C)
Maximum Output Impedance	47Ω added to the 4-20 mA transmitter	Enclosure Rating	NEMA 3R with white enamel paint and latch for padlock
Fan	12 CFM	Weight	6.31 lb (2.9 Kg)
Filter Type	Washable foam filter	Warranty	1 year

WIRING

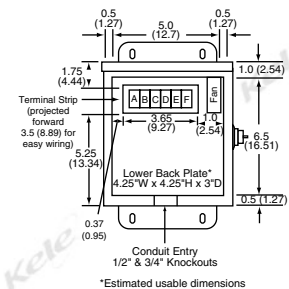


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DIMENSIONS



Mounting



Interior

ORDERING INFORMATION

MODEL	DESCRIPTION
A21	Outdoor aspirated humidity/temperature housing

RELATED PRODUCTS

A21-FAN	Replacement fan assembly
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
HW20K	2% wall-mount humidity sensor
HW30K	3% wall-mount humidity sensor
KTM* Series	KTM* Series raw encapsulated thermistor and RTD sensors
PN-46	Aluminum sensor holder with adhesive backing
ST-R* Series	ST-R* Series raw encapsulated thermistor and RTD sensors