

**EHR.. EHD..**

■ To monitor humidity in rooms or ducts and switch extract fans, alarms, humidifiers or de-humidifiers etc in the event of high or low humidity level. Any combination of humidifying or de-humidifying is possible.

EHR..

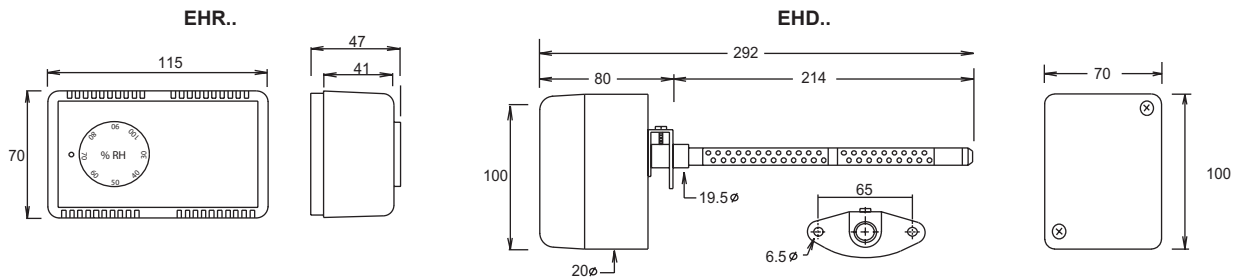
EHD..

EHR..V

Volt free contacts      Max. air velocity 15 m/s  
 Terminals 0.5-2.5mm<sup>2</sup>      Accuracy ± 3%RH  
 Media Temp. 0-60°C      0-100% RH non-condensing.  
 Sensing element - Specially treated plastic strands which do not require regeneration.  
 EHR.. If humidity level exceeds 85%RH, a low voltage supply is recommended.  
 Not suitable for aggressive dirty or dusty media.  
 Enclosure Flammability:  
 EHR.. = UL94-HB      EHD.. = UL94-V0

Type	Mounting	Stages	Range % RH	Diff. per Stage	Diff. between Stages	230VAC SPDT	Adjustment	Enclosure
<b>EHR-1</b>	Room	1	30/100	4%	-	5(2)A	Concealed	IP30
<b>EHR-2</b>	Room	2	30/100	4%	2/15% adj.	2 x 5(2)A	Concealed	IP30
<b>EHR-1V</b>	Room	1	30/100	4%	-	5(2)A	Knob	IP30
<b>EHR-2V</b>	Room	2	30/100	4%	2/15% adj.	2 x 5(2)A	Knob	IP30
<b>EHD-1</b>	Duct	1	30/100	4%	-	15(4)A	Concealed	IP54
<b>EHD-1W</b>	Duct	1	30/100	4%	-	15(4)A	Concealed	IP65
<b>EHD-2</b>	Duct	2	30/100	4%	3/18% adj.	2 x 15(4)A	Concealed	IP54

**DIMENSIONS**



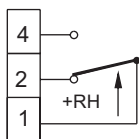
**ACCESSORIES:**

**EE-RAD** Radiation /Weather shield for EHD  
 To protect from direct sunlight/weather conditions.  
 Install vertically as shown only

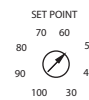
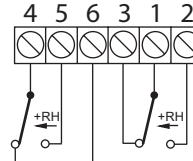


**WIRING:**

**EHR-1**



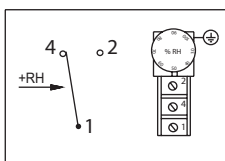
**EHR-2**



Humidity rise to scale setting - contact 1 - 4 close.  
 Humidity fall (diff) - contact 1 - 2 close.  
 Humidifying Only : Contacts 1-2  
 Dehumidifying Only : Contacts 1-4

Stage 1 - humidity rise to scale setting contact 1 - 3 close 1 - 2 open.  
 Stage 2 - humidity rise above neutral zone, contact 4 - 6 close 4 - 5 open.  
 Humidifying Only : Contacts 1-2 & 4-5  
 Dehumidifying Only : Contacts 1-3 & 4-6  
 Hum & Dehum: Hum stage 1 & De-hum stage 2

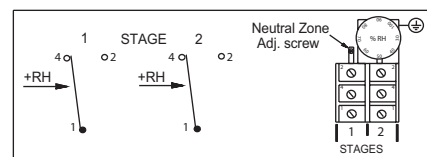
**EHD-1**



Humidifying Only : Contacts 1-4 & 1-4  
 Dehumidifying Only : Contacts 1-2 & 1-2  
 Hum & Dehum: Hum stage 1 & De-hum stage 2

Humidity rise to scale setting - contact 1 - 2 close.  
 Humidity fall (diff) - contact 1 - 4 close.

**EHD-2**



Stage 1 - humidity rise to scale setting contact 1 - 2 close 1 - 4 open.  
 Stage 2 - humidity rise above neutral zone contact 1 - 2 close 1 - 4 open.