

# HUMIDITY AND TEMPERATURE

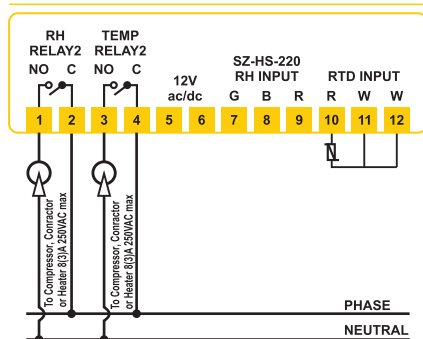
|                 |                                                          |
|-----------------|----------------------------------------------------------|
| <b>SZ-9912</b>  | RH + Temperature Controller (Humidity Range: 30% to 90%) |
| <b>SZ-9922</b>  | RH + Temperature Controller (Humidity Range: 0% to 99%)  |
| <b>SZ-9932T</b> | RH + Temperature Controller, Dual Display                |



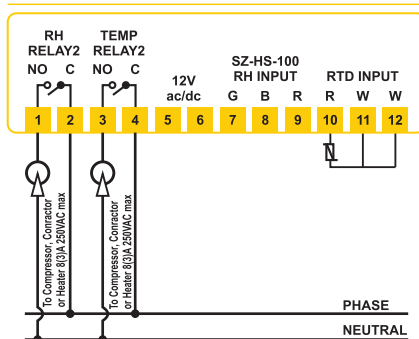
| FEATURES        | SZ-9912                                                 | SZ-9922                                                 | SZ-9932T                                                                                          |
|-----------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Display         | 7 Segment Display<br>3x10 mm                            | 7 Segment Display<br>3x10 mm                            | 7 Segment Display<br>3x11.5mm (0.45") - White<br>7 Segment Display<br>3x11.5mm (0.45") - Green    |
| Power Supply    | 9-12 Vac or 12 Vdc                                      | 9-12 Vac or 12 Vdc                                      | 230Vac                                                                                            |
| Probe Input     | RTD (PT-100)<br>RH Sensor (SZ-HS-220)                   | RTD (PT-100)<br>RH Sensor (SZ-HS-100)                   | NTC<br>RTD (PT-100)<br>RH Sensor (SZ-HS-100/SZ-HS-220/<br>4-20mA)                                 |
| Measuring Range | Temperature : 0.0°C to +99.0°C<br>Humidity : 30% to 90% | Temperature : 0.0°C to +99.0°C<br>Humidity : 0% to 100% | Temperature : -10.0°C to +99.0°C<br>SZ-HS-220 : 30.0% to 90.0%<br>SZ-HS-100/4-20mA : 0.0% to 100% |
| Resolution      | Temperature : 0.1°C<br>Humidity : 1%                    | Temperature : 0.1°C<br>Humidity : 1%                    | Temperature : 0.1°C / 1°C<br>Humidity : 0.1% / 1%                                                 |
| Relay Output    | Relay 1 Temp: 8(3)A<br>Relay 2 RH: 10(1)A               | Relay 1 Temp: 8(3)A<br>Relay 2 RH: 10(1)A               | Relay 1 : 5A<br>Relay 2 : 5A                                                                      |
| Size            | 75x34.5mm                                               | 75x34.5mm                                               | 78x36mm                                                                                           |
| Mounting Type   | Panel Mount                                             | Panel Mount                                             | Panel Mount                                                                                       |
| Panel Cutout    | 71x29mm                                                 | 71x29mm                                                 | 71x29mm                                                                                           |
| Application     | Humidification & Dehumidification Systems               |                                                         | -                                                                                                 |

## Connection Diagram

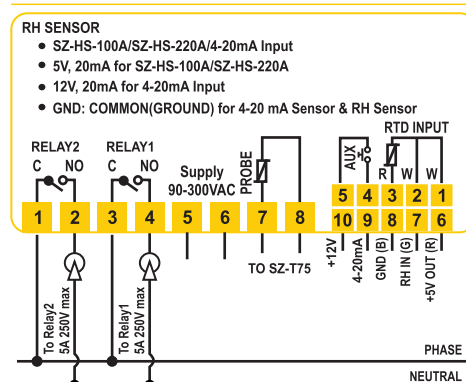
### SZ-9912



### SZ-9922



### SZ-9932T



Controlled cooling, always

# HUMIDITY

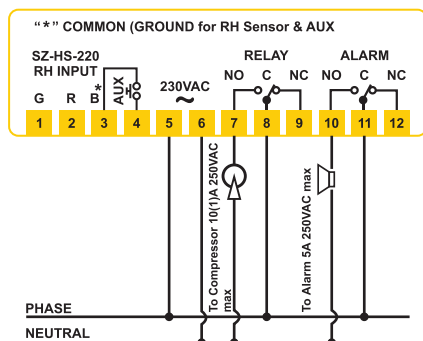
|                  |                                                 |
|------------------|-------------------------------------------------|
| <b>SZ-2711T</b>  | RH Controller (Humidity Range: 30% to 90%)      |
| <b>SZ-2911T</b>  | RH Controller (Humidity Range: 0% to 100%)      |
| <b>SZ-4042-C</b> | RH Controller with Communication & 4-20mA Input |



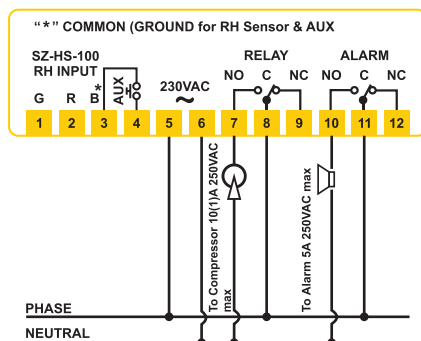
| FEATURES             | SZ-2711T                                  | SZ-2911T                            | SZ-4042-C                                 |
|----------------------|-------------------------------------------|-------------------------------------|-------------------------------------------|
| Display              | 7 Segment Display<br>3x17mm (0.66")       | 7 Segment Display<br>3x17mm (0.66") | 7 Segment LED Display<br>3x14.2mm (0.56") |
| Power Supply         | 230Vac Standard                           | 230Vac Standard                     | 24Vac/dc Standard                         |
| Probe Input          | RH (SZ-HS -220)                           | RH (SZ-HS -100/SZ-HS-300)           | RH Sensor (4-20mA)                        |
| Digital Input        | Auxiliary Fault (Potential Free)          | Auxiliary Fault (Potential Free)    | -                                         |
| Measuring Range      | 30.0% to 90.0%                            | 0% to 100%                          | 0% to 100%                                |
| Measuring Resolution | 0.1% to 1%                                | 0.1% to 1%                          | 1%                                        |
| Relay Output         | Relay : 10(1)A                            | Relay : 10(1)A                      | Relay : 10A                               |
| Alarm Output         | Alarm 5A                                  | Alarm 5A                            | Alarm 10A                                 |
| Serial Output        | -                                         | -                                   | RS-485                                    |
| Size                 | 78x36mm                                   | 78x36mm                             | 75x34.5mm                                 |
| Mounting Type        | Panel Mount                               | Panel Mount                         | Panel Mount                               |
| Panel Cutout         | 71x29mm                                   | 71x29mm                             | 71x29mm                                   |
| Application          | Humidification & Dehumidification Systems |                                     | Humidity Control                          |

## Connection Diagram

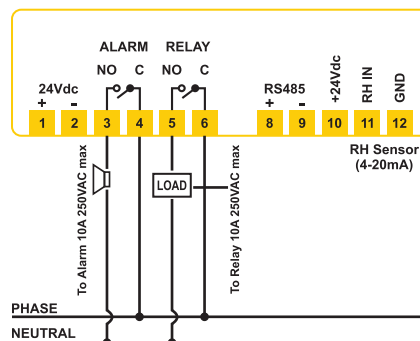
### SZ-2711T



### SZ-2911T



### SZ-4042-C



Controlled cooling, always