

DIGITAL THERMOSTATS & DIGITAL HUMIDISTAT

Type ULE & FLE

SAGInoMIYA

GENERAL DESCRIPTION

- Large LED, easy to see
- Back up memory on power failure
- Easy operation with a combination of setting knob and \triangle / ∇ keypads
- Either for wall or panel mounting.
- Power source voltage: 85 to 264V. AC 50/60Hz
- Relay output: 250V. AC, 6A (cos ϕ = 0.7)
- Ambient temperature: Controller...-10 to 50°C
Humidity sensor...0 to 50°C



Type ULE



Type FLE

TYPE NUMBER SELECTION (SPECIFICATIONS)

Type ULE Digital Thermostats

Unit: °C

Catalog No.	Temp. Set Range	Differential	Temp. Indication	Function	Sensor Part No. (Standard)	Wt. (kg)	
ULE-SD11-011	-50 to 30	Min. 0.5	-55 to 40	Standard	TEK-83H609 with 2m lead	0.2	
ULE-SD12-011				2 Step			
ULE-SD13-011				Hi/Lo Limit with time delay			
ULE-SD21-011	0 to 100		0 to 110	Standard			TEK-83H601 with 2m lead
ULE-SD22-011				2 Step			
ULE-SD23-011				Hi/Lo Limit with time delay			

• Temperature sensor type TEK-83H609 or TEK-83H601, sensor holder and panel mounting brackets are supplied as standard accessory.

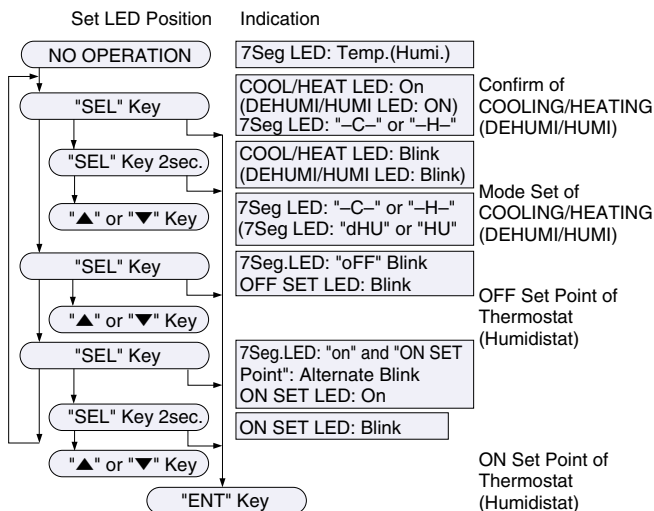
Type FLE Digital Humidistat

Unit: %RH

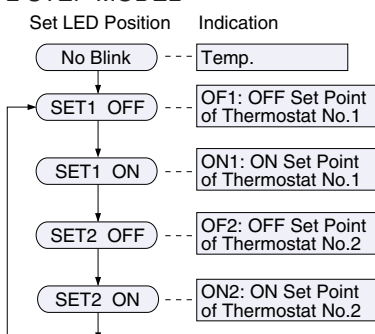
Catalog No.	Humidity Set Range	Differential	Humidity Indication	Calibration	Sensor Part No.	Wt. (kg)
FLE-SD11-011	30 to 90	Min. 3	20 to 99	± 10	HEK-11R001	0.3

MODE & SETTING

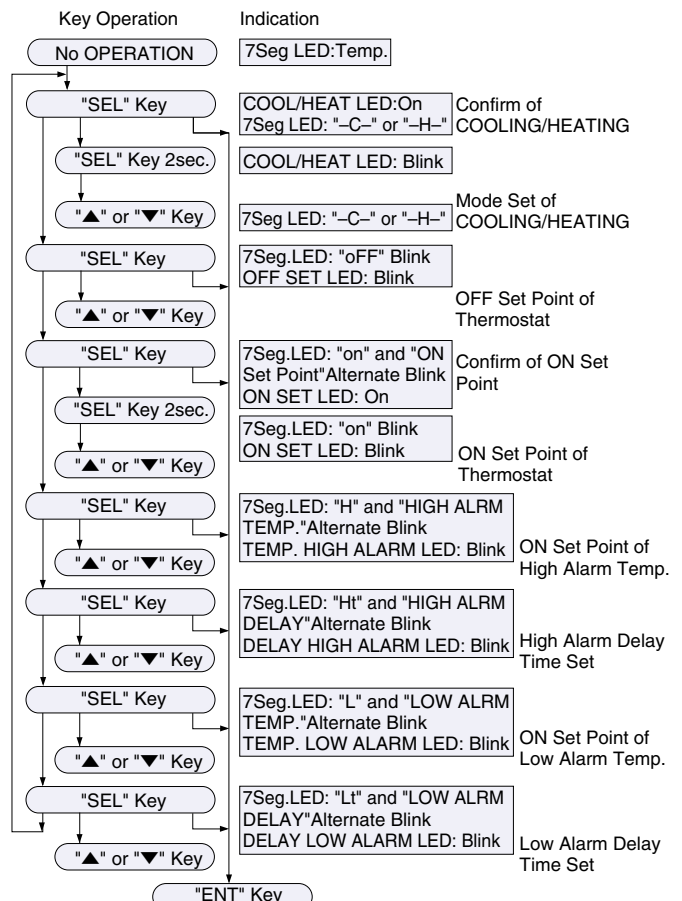
STANDARD MODEL



2 STEP MODEL

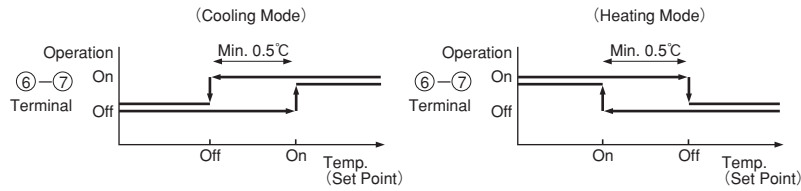


HI/LO LIMIT WITH TIME DELAY



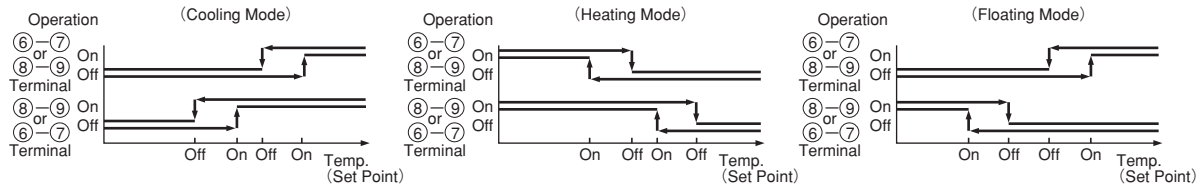
OPERATION

ULE-DIGITAL THERMOSTAT STANDARD MODEL

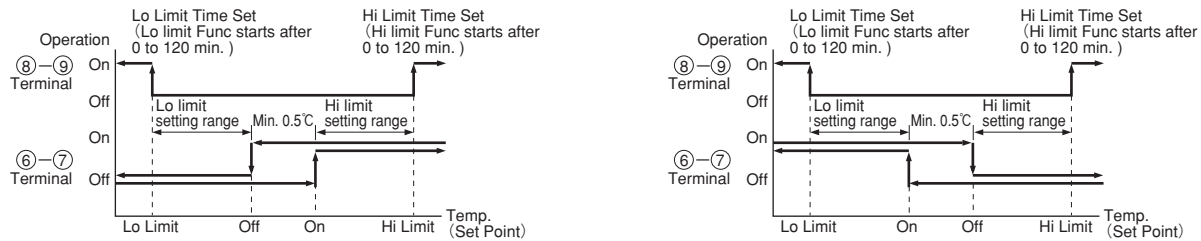


- Free to set On/Off set point independently within the range.
- When Off set point is changed, On set point automatically shifts. (Diff. remains same)
- When On set point is changed, Off set point remains unchanged. (Diff. changes)

2 STEP MODEL

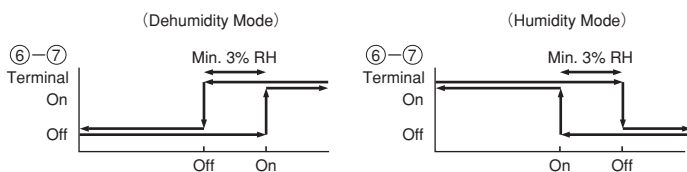


Hi/Lo LIMIT W/TIMER MODEL



- Hi/Lo limit output is reset manually (Push reset: Push **ENT** Key in 2 sec or power off)
- Delay Timer can be set in the time range from 0 to 120 min respectively.

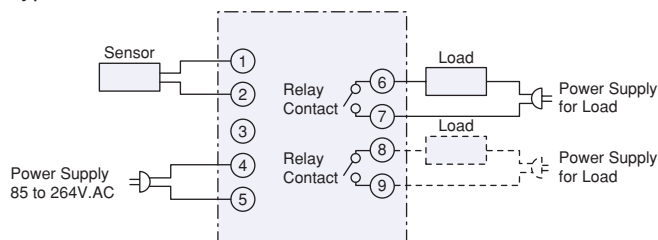
FILE-DIGITAL HUMIDISTAT



- Free to set On/Off set point independently within the range.
- When Off set point is changed, On set point automatically shifts. (Diff. remains same)
- When On set point is changed, Off set point remains unchanged. (Diff. changes)

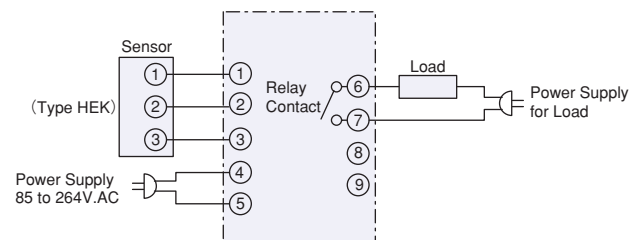
WIRING DIAGRAM

Type ULE

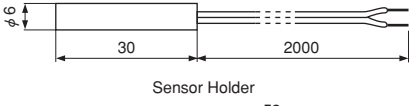
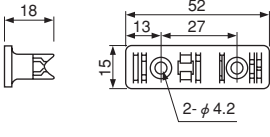
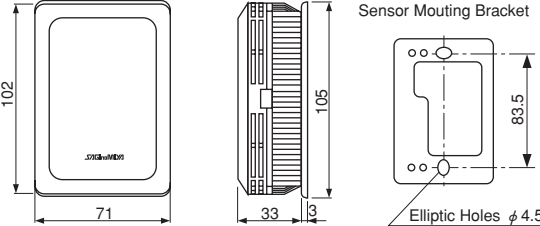


- ⑥-⑦: STANDARD, 2 STEP & Hi/Lo Model Control Output
- ⑧-⑨: 2 STEP Control Output Hi/Lo Limit Alarm Output

Type FLE



SENSORS STANDARD

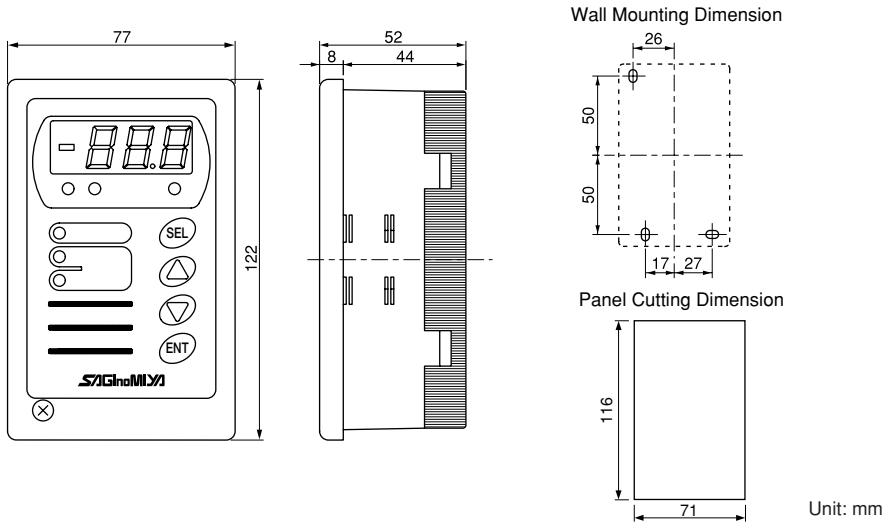
Sensor Part No.	Applicable Model	Dimension	Remarks
TEK-83H601 (Temperature) Lead Wire:Black	ULE-SD21-011 ULE-SD22-011 ULE-SD23-011		<ul style="list-style-type: none"> Ambient temp. on usage: -40 to 110°C When the sensor is in use under the condition of dew, water dripping or outdoor, the sensor should be vertically installed with lead wire outlet downward. Sensor holder is supplied as standard.
TEK-83H609 (Temperature) Lead Wire:Blue	ULE-SD11-011 ULE-SD12-011 ULE-SD13-011		<ul style="list-style-type: none"> Ambient temp. on usage: -55 to 80°C When the sensor is in use under the condition of dew, water dripping or outdoor, the sensor should be vertically installed with lead wire outlet downward. Sensor holder is supplied as standard.
HEK-11R001 (Humidity)	FLE-SD11-011		<ul style="list-style-type: none"> Designed to accord room interior. Designed to be installed where certain air flow runs and the room humidity is represented. Depending on load or other conditions, humidity control may become difficult. Especially when the FLE is used under 10°C or above 40°C, contact manufacturer.

Following sensors are available as option. (Ambient temperature sensors are available upon request.)

- Direct immersion sensor with nipple.....TEK-83N
- Wall mounting sensor.....TEK-83R
- Surface temp. sensor.....TEK-83E
- Direct immersion sensor with terminal cover.....TEK-83B
- Bulb well.....TEK-00N

DIMENSIONS

Type ULE, FLE



PANEL MOUNTING BRACKET

