



SI | Žični internetni termostat s 16A preklopnim relejem – Navodila za uporabo

V tej tiskovini je vključen tudi garancijski list, zato ne zavržite teh navodil za uporabo!

EN | Wired internet thermostat with 16A relay – User manual

Warranty card is also included in this print, so don't throw this user manual away!

BIH HR SR | Žičani internetni termostat sa 16A relejom – Upute za upotrebo

U ovom printu je uključen I izjava o jamstvu, tako da ne bacajte ovih uputa u smeće!

## SASWELL SAS920FHL-7-WIFI



IP21



Sen Controls d.o.o. 2019



## SI | Varovanje narave

Elektronske naprave in baterije po koncu življenjske dobe ne odlagajte med mešane komunalne odpadke, uporabite zbirna mesta ločenih odpadkov. S pravilno odstranitvijo izdelka boste preprečili negativne vplive na človeško zdravje in okolje. Reciklaža materialov prispeva varstvu naravnih virov. Več informacij o reciklaži tega izdelka Vam ponudijo upravne enote, organizacije za obdelavo gospodinjinskih odpadkov ali prodajno mesto, kjer ste izdelek kupili.







## EN | Environmental protection

Do not place electronic devices and batteries after the end of their life in mixed municipal waste, use collection points of separate waste. By properly removing the product, you will prevent negative effects on human health and the environment. Recycling of materials contributes to the protection of natural resources. More information on the recycling of this product is offered to you by administrative units, household waste treatment organizations or the point of sale where you purchased the product.

## BIH, HRV, SRB | Zaštita prirode

Ne stavljajte elektronske proizvode i baterije nakon završetka životne dobi u mješoviti otpad, koristite odlagališta odvojenog otpada. Pravilnim odstranjivanjem proizvoda spriječit ćete negativne učinke na ljudsko zdravlje i okoliš. Recikliranje materijala pridonosi zaštiti prirodnih izvora. Više informacija o recikliranju ovog proizvoda nude vam administrativne jedinice, organizacije za tretman kućanstava ili prodajno mjesto gdje ste kupili proizvod.

## Razlaga simbolov / Objašnjenje simbola / Explanation of symbols

	Papir in papirnata embalaža, plastika, električne naprave se po uporabi naj oddajo v namenske zabojce za recikliranje.			
	Papir, papirna i plastična ambalaža, električni uređaji nakon upotrebe, neka se stave u posebne kutije za recikliranje			
	Paper, paper and plastic packaging, electrical appliances should be delivered to dedicated recycling boxes after use			
	Električna naprava razreda II ali dvojne izolacije je konstruirana tako, da ne zahteva varnostne povezave z električno ozemljitvijo.			
	Klasa II ili dvostruko izolirani električni aparat je onaj koji je projektiran tako da ne zahtijeva sigurnosnu vezu s električnim uzemljenjem.			
	A Class II or double insulated electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (ground).			
	Naprava je namenjena za notranjo uporabo.			
	Uređaj je namijenjen za unutarnju uporabu.			
	Device is intended for indoor use only.			
	Za izdelek je izdana izjava o skladnosti.			V skladu z Direktivo RoHS
	Za proizvod je izdana izjava o sukladnosti			U skladu sa Direktivom RoHS
	A declaration of conformity is issued for the product			In accordance with the RoHS Directive
	Pomeni, da se izdelka lahko dotikate z roko, da predmeti premera 12,5 mm ali več ne morejo zaiti vanj ter ga poškodovati in da je izdelek zaščiten pred navpično padajočimi vodnimi kapljicami			
	To znači da se proizvodom možete dotaknuti rukom tako da predmeti promjera 12,5 mm ili više ne mogu doći i oštetiti ga te da je proizvod zaštićen od okomitih kapljica vode.			
	It means that you can touch the product with your hand so that items of diameter 12.5 mm or more can not come in and damage it and that the product is protected against vertically falling water droplets			

## SI | Dodatne ikone ki se lahko pojavijo v navodilih

## BIH, HRV, SRB | Dodatne ikone koje se mogu pojaviti u uputama

## ENG | Extra symbols that may appear in the manuals

	Opozorilo za nevarnost
	Upozorenje za opasnost
	Warning
	Informacija, nasvet, ideja ali priporočilo
	Informacija, savjet, ideja ili preporuka
	Information, advice, idea or recommendation



SI | Zelo pomembno je, da preberete celotna navodila za uporabo.

ENG | It's very important to read the whole user manual.

BIH, HRV, SRB | Vrlo je važno da upute iz korisničkog priručnika pažljivo pročitate.

# SI | Navodila za uporabo

Termostat Saswell SAS920FHL-7-WIFI je žični programski **internetni** termostat za upravljanje ogrevalnih sistemov ki potrebujejo visoko tokovne preklopne releje. Takšni sistemi so recimo IR paneli, električno talno ogrevanje, električni radiatorji, ... Termostat omogoča uporabo dodatnega zunanjšega temperaturnega tipala, recimo za vgradnjo v tla pri uporabi električnega talnega ogrevanja.

Termostat se lahko namesti v stensko podometno dozo. Vse nastavitve temperatur ter sama regulacija se upravlja preko termostata samega oz nastavljate preko mobilne aplikacije Saswell za pametne naprave Android in iOS. Sistem omogoča nastavitve urnika programov ogrevanja za 7 dni in s 6 preklopi na dan.

Navodila za uporabo in vzdrževanje so del splošnih prodajnih pogojev. Pridržujemo si pravico do sprememb detajlov, tehnologije in izvedbe. Garancija velja le skupaj z računom. Dopolnimo možnost napak v besedilu.

## Pomembna opozorila pred prvo uporabo, namestitvijo in vzdrževanje naprave

Pred prvo uporabo pozorno preberite navodila za uporabo ne samo termostata, ampak tudi peči ali klimatske naprave. • Pred inštalacijo termostata izklopite dovod električnega toka! • Priporočamo, da inštalacijo opravi kvalificiran delavec! • Električni krog mora biti zavarovan z varovalko, ki ne presega tokovne obremenitve ožičenja (max 16A). • Pri montaži upoštevajte vse varnostne predpise • Izdelka ne izpostavljajte neposredni sončni svetlobi, ekstremnemu mrazu, vlagi in naglim spremembam temperature. To bi znižalo natančnost merjenja temperature • Izdelka ne nameščajte na mesta, ki so nagnjena k vibracijam in pretresom – to lahko povzroči poškodbe • Izdelka ne izpostavljajte prekomernemu tlaku, sunkom, prahu, visokim temperaturam ali vlagi saj le te lahko povzročijo poškodbe na kateri izmed funkcij izdelka, krajšo energetske vzdržljivost, poškodbo baterij in deformacije plastičnih delov • Izdelka ne izpostavljajte dežju ali vlagi, kapljajoči in brizgajoči vodi • Na izdelek ne postavljajte virov ognja, npr. prižgane svečke ipd. • Izdelka ne postavljajte na mesta, kjer ni zadostnega kroženja zraka • V prezračevalne odprtine ne vtičajte nobenih predmetov • Ne posegajte v notranjo električno napeljavo izdelka – lahko ga poškodujete in s tem prekinite veljavnost garancije. Izdelek sme popravljati le usposobljen strokovnjak • Za čiščenje uporabljajte zmerno navlaženo krpo. Ne uporabljajte raztopin ali čistilnih izdelkov – lahko poškodujejo plastične dele in električno napeljavo • Izdelka ne potapljajte v vodo ali v druge tekočine • Pri poškodbah ali napaki izdelka ne popravljajte sami. Predajte ga v popravilo prodajalni, kjer ste ga kupili • Izdelka ne smejo uporabljati osebe (vključno otroci), ki jih fizična, čutna ali mentalna nesposobnost ali pomanjkanje izkušenj, in znanj ovirajo pri varni uporabi naprave, če pri tem ne bodo nadzorovane, ali če jih o uporabi naprave ni poučila oseba, ki je odgovorna za njihovo varnost • Nujen je nadzor nad otroki, da bo zagotovljeno, da se ne bodo z napravo igrali. Za izdelek je bila izdana izjava o skladnosti. Napravo se lahko prosto uporablja v EU. Vse izjave o skladnosti (CE, RoHS) so prosto dostopne na spletni strani [www.sen-controls.eu](http://www.sen-controls.eu) in podstrane npr. <https://si.sen-controls.eu> pod zavihkom »Pravno« ali »Dokumenti« pri vsakem od objavljenih naprav. Proizvajalec izdelka je SASWELL CONTROLS (HONGKONG) LTD.

Uvoznik, servis in distributer za Saswell v Sloveniji je Sen Controls d.o.o., Belokranjska cesta 29, 8340 Črnomelj, Slovenija

### Lastnosti

- 16A preklopni rele za uporabo z vsemi napetostnimi porabniki
- Vgrajen WIFI modul za brezžično povezanost z internetno in upravljanje preko Saswell aplikacije
- Velik LCD ekran z močno osvetlitvijo
- Ohranitev vseh nastavitvev kljub izgubi napajanja
- Funkcija pametne prilagoditve, ki omogoča ogrevanje vašega prostora na točen čas s predčasnim prilagojenim ogrevanjem
- Možnost vklopa začasne ali stalne, konstantne spremembe nastavitve temperature, za večje udobje ali varčevanja z energijo
- Možnost urnika programov ogrevanja za vsak dan posebej s šestimi različnimi časovnimi in temperaturnimi nastavitvami
- Možnost kalibracije temperature
- Zaščita proti zmrzovanju
- Inteligentna funkcija

### Specifikacije enote

Napajanje	100-240V, AC 50/60Hz (največja obremenitev 250V, AC 16A)
Nastavitev temperature	5°C ~ 35°C (natančnost 0.5°C)
Merjenje temperature	5°C do 50°C (natančnost 0.1°C)
Temperatura okolice delovanja	0°C ~ 50°C Vlažnost 90%
Skladiščna temperatura	-10°C ~ +60°C Vlažnost 90%
Dimenzije	86 x 86 x 13mm

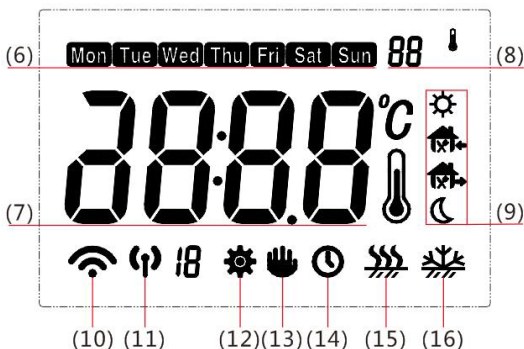
## Opis termostata – tipke in prikaz na ekranu

### Opis tipk

1. Vkllop / tipka za potrditev. S kratkim pritiskom vklopite ali izklopite termostat.
2. Nastavitev ure.
3. Tipka za nastavitve / meni.
4. Povišanje oz. sprememba vrednosti
5. Znižanje oz. sprememba vrednosti

### Opis prikaza na ekranu

6. Dan oz. dnevi v tednu
7. Glavni prikaz (Temperatura,...)
8. Številka trenutne napredne nastavitve, ki se ureja
9. Trenuten aktiven programski način oz. trenuten program ki se ga ureja
10. Naprava je v WIFI načinu
11. Naprava je v AP načinu
12. Urejanje naprednih nastavitev
13. Termostat je v načinu stalnega držanja temperature
14. Termostat uporablja urnik programov ogrevanja oz. je v načinu urejanja urnika programov ogrevanja
15. Potreba po ogrevanju (termostat je izdal signal za ogrevanje na vir ogrevanja)
16. Termostat je v načinu proti zmrzovanju



## Namestitev

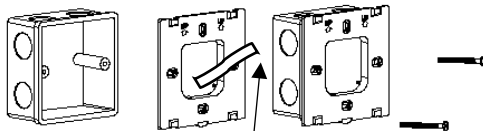
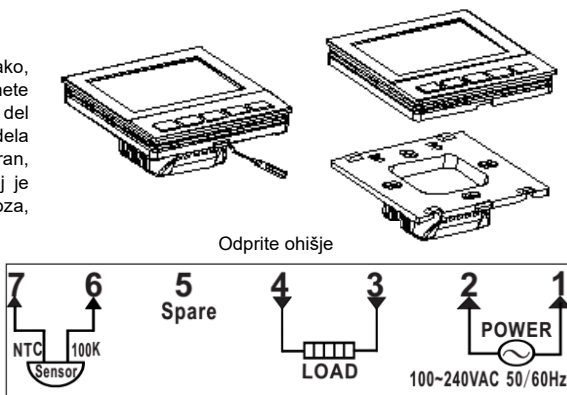
### Stenska namestitev termostata

Najprej odstranite zadnji pokrov termostata. To storite tako, da z ravnim izvijačem nežno in previdno malce na vzdignete na spodnjem delu ohišja. Zopet, previdno vzdignite zadnji del in opazili boste povezovalni kabel, pritrjen na oba dela termostata. Iz sprednjega dela termostata, kjer je ekran, previdno in počasi odstranite povezovalni kabel. Sedaj je termostat ločen na sprednji (ekran) in zadnji del (doza, priklop).

Ko sta dela ločena, opravite električno vezavo naprave. Ponovno, montažo naj izvede strokovno usposobljena oseba in pred samo montažo preberite vsa varnostna navodila in opozorila! Glavno napajanje imejte ves čas montaže izklopljeno!

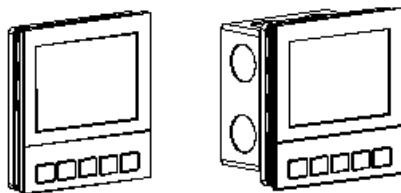
Za pomoč si pomagajte s shemo vezave na desni strani.

Nato sledi namestitev zadnjega dela termostata v dozo, kot je prikazano na sliki desno. Priložena sta tudi dva vijaka. Bodite pozorni na pravilno montažo, saj mora biti spodnji del (»jeziček«) obrnjen navzdol!



Namestitev v dozo / Jeziček / Povezovalni kabel / Pri vijačenje vijakov

Ko pritrdite zadnji del termostata v dozo, povežite zadnji del s sprednjim in sicer tako, da previdno priklopite kabel v isto mesto sprednjega dela vezja oz. ohišja. Nato pritisnite sprednji na zadnji del ohišja in termostat bi moral biti sestavljen.



## Prikaz napak

Spodaj je opis treh napak, ki se lahko pojavijo na ekranu ob uporabi naprave:

Napaka / prikaz	Opis
<b>Err.3</b>	Senzor v termostatu je v kratkem stiku. Termostat preneha z ogrevanjem.
<b>Err.4</b>	Okvara senzorja v termostatu. Termostat preneha z ogrevanjem.

## Začetek uporabe – Prvi koraki, osnove in opisi nastavitvev, funkcij termostata

Termostat je zelo preprost za uporabo, a omogoča ogromno funkcij. Za preprost začetek, bodo razložene v nadaljevanju in vam priporočamo, da jih preberete za lažjo uporabo termostata.

Pri vzto ima termostat izklopljeno funkcijo urnika programov ogrevanja. To pomeni, da ima termostat možnost nastavitve zgolj stalne temperature. Možnost urejanja urnika programov ogrevanja je onemogočena.

Če želite vklopiti urnik programov ogrevanja, si oglejte navodila za napredno nastavitvev termostata.

### Vklop, izklop

Termostat se vklopi ali izklopi s kratkim pritiskom na tipko za vklop/izklop. (opis tipk 1)

### Spreminjanje vrednosti

Vrednosti spreminjate vedno s tipkama ▲ (povišaj vrednost, opis tipk 4) ter ▼ (znižaj vrednost, opis tipk 5).

### Prikaz trenutne ure, dneva

Termostat ima možnost prikaza trenutnega časa in če vas zanima, koliko je trenutna ura, le enkrat na kratko pritisnite tipko ☉ (opis tipk 2). Prikazal se vam bo trenutni čas ter trenutni dan\*. Naprava mora biti pri nastavitvi te funkcije prižgana.

\*Namig – Dnevi so prikazani v angleškem jeziku in sicer se začne z Mon – ponedeljek, Tue – torek .... Sat – Sobota, Sun – Nedelja.

### Začasna sprememba temperature

Začasna sprememba temperature pomeni, da želite spremeniti temperaturo prostora zgolj do naslednje spremembe urnika ogrevanja, če ga uporabljate. V nasprotnem primeru se prižge stalna sprememba temperature.

Recimo, da je sedaj ura 13:00 in temperatura prostora 20.0°C. Začasno spremenite temperaturo na 24.0°C in termostat vam bo ohranjal to vrednost ogrevanja do naslednjega preklopa, ki ga imate, recimo, nastavljenega ob 14:30 uri z vrednostjo 22°C.

Funkcijo začasne spremembe temperature vklopite tako, da ko termostat miruje in niste v nobenemu meniju, pritisnete tipko za spreminjanje vrednosti (▲ ali ▼). Na ekranu vam utripa trenutno nastavljena temperatura. Spreminjajte jo do željene vrednosti. Ko ste zadovoljni z nastavljenjo temperaturo, prenehajte s pritiskanjem na tipke in naprava bo sama shranila vrednost do naslednjega preklopa. Če želite funkcijo predčasno izklopiti in vrniti napravo nazaj na trenuten urnik programov ogrevanja, pritisnite sredinsko tipko meni (opis tipk 3). Na prikazu mora svetiti zgolj simbol ure (opis prikaza 14).

Ko je funkcija vklopljena, sta prikazana simbol roke (opis prikaza 13) in ure (opis prikaza 14), kar pomeni da je vključena začasna sprememba temperature in da je vključen urnik programov ogrevanja.

Naprava mora biti pri nastavitvi te funkcije prižgana.

### Stalna sprememba temperature






Funkcija stalne spremembe temperature pomeni da naprava ignorira vse urnike programov ogrevanja do ročnega izklopa te funkcije in upošteva zgolj vašo nastavljenjo temperaturo.

Funkcijo vklopite tako, da ko naprava miruje in ni v nobenem meniju, na kratko pritisnete sredinsko tipko za meni (opis tipk 3). Sedaj pritisnite tipko ▲ ali ▼ in nastavite željeno temperaturo. Ko ste nastavili željeno temperaturo, prenehajte z urejanjem in nastavitev se bo ohranila do izhoda iz funkcije. Funkcijo prekličete s kratkim pritiskom na srednjo tipko (opis tipk 3).

Ko je funkcija vklopljena, je na ekranu spodaj prikazan zgolj simbol roke. Simbol ure se skriva (če je aktiviran urnik programov ogrevanja).

Naprava mora biti pri nastavitvi te funkcije prižgana.

### Nastavitev časa (ura, dan)

S prvim kratkim pritiskom na tipko  vam termostatski prikaz prikaže trenutni čas. Če še enkrat na kratko pritisnete tipko , preidete v urejanje trenutnega časa. Najprej vam utripajo trenutno nastavljen minute. Spremenite vrednost minut in ko ste končali, na kratko pritisnite tipko , s tem preidete na urejanje ure. Sedaj ste na urejanju ure in utripa trenutno nastavljena vrednost. Zopet, spremenite vrednost ure in ko končate, pritisnite , da nastavite trenutni dan\* v tednu. Sedaj vam bi moral utripati trenutno nastavljen dan\* v tednu. Zopet, spremenite vrednost s tipkami ▲, ▼ in ko končate, na kratko pritisnite tipko . S tem ste končali z urejanjem časa.

\*Namig – Dnevi so prikazani v angleškem jeziku in sicer se začne z Mon – ponedeljek, Tue – torek .... Sat – Sobota, Sun – Nedelja.

### Nastavitev urnika programov ogrevanja

Pogoj za nastavljanje urnika programov ogrevanja je, da je opcija urnika programov ogrevanja vklopljena (privzeto je izključena!).

Pred nadaljevanjem, preverite napredne nastavitve termostata. Glede na nastavljene napredne nastavitve termostata, si nastavljate tudi program urnika. V naprednih nastavitvah si lahko nastavite svoj urnik za 7 dni (vsak dan posebej). Nastavite si tudi število dnevnih prekopov - 6.

Urnike ogrevanja lahko preprosto urejate preko glavnega menija urejanja in sicer – termostatski mora biti prižgan, nato držite dalj časa (5 sekund) sredinsko tipko za meni (opis tipk 3). Sedaj ste v načinu urejanja urnika programov ogrevanja.

Ko ste v načinu urejanja, vam na desni strani ekrana s prikazom ikone (sonce, luna, hiška, ...) prikaže za kateri prekop se trenutno ureja urnik ter na vrhu ekrana najprej začne utripati dan oz. dnevi, za kateri urnik programa ogrevanja se trenutno ureja. Vse vrednosti v nadaljevanju navodila spreminjate s tipkami ▲, ▼ in prehajate med možnostmi s sredinsko tipko meni (opis tipk 3). Nastavitve se bodo samodejno shranile, če ne pritisnete nobene tipke za več kot 10 sekund.







Torej, najprej izberite za kateri dan oz. dneve boste sedaj urejali urnik. Ko nastavite to vrednost, pritisnite tipko meni in sedaj boste nastavljali ob kateri uri se bo prekop, ki je narisan na desni strani, začel. Ko nastavite uro, pritisnite sredinsko tipko meni, da preidete v urejanje temperature, ki bo nastavljena od nastavljen ure naprej. Nastavite željeno temperaturo in pritisnite sredinsko tipko meni. S tem ste končali urejanje prvega preklopa. Meni vam bi moral prestaviti simbol za prekop (simbol na desni strani ekrana – sonce, luna, hiška,...) na naslednjega in s tem že začnete z urejanjem naslednjega preklopa. Za primere, si lahko ogledate tabele na naslednjih straneh.

### Tabele s privzetimi primeri urnika programov ogrevanja

Spodaj so navedene tovarniško privzete tabele urnika programov ogrevanja. Navedeni so primeri s privzetimi vrednostmi.

Vse nastavitve urnika programov ogrevanja lahko ponastavite na tovarniško privzete tako, da med nastavljanjem urnika držite srednjo tipko za meni (prikaz tipk 3) za 3 sekunde. Na ekranu utripne deF. Vse nastavitve urnikov so tako povrnjene na tovarniško pred nastavljen.

Privzeti programi ogrevanje / Zadani programi grijanja / Default heating schedule **6 PROG.**

											
t	temp	t	temp	t	temp	t	temp	t	temp	t	temp
6:00	20°C	8:00	16°C	11:00	20°C	14:00	16°C	18:00	20°C	22:00	16°C

### Napredna nastavitve termostata

Termostatski vsebuje tudi napredne nastavitve, s katerimi napravo še bolj prilagodite vašim potrebam in željam. Dostop do naprednih nastavitev je možen na sledeči način:

Termostatski izklopite s tipko za vklop/izklop (opis tipk 1), da se na ekranu izpiše OFF.

Nato držite tipko za meni (opis tipk 3) za 5 sekund. Ekran se osvetli in na njemu se izpiše velik napis CL. To je oznaka prve nastavitve in s tem tudi veste, da ste v meniju napredne nastavitve.

Po meniju se premikate s kratkim pritiskom na menijsko tipko (opis tipk 3) in spreminjate vrednosti s tipkama ▲ ali ▼. Nastavitve shranite in zaprete urejanje nastavitev s kratkim pritiskom na tipko za vklop / izklop termostata. Nastavitve se tudi same shranijo, če na termostatu ne pritisnete nobene tipke za 20 sekund.

Spodaj je opis in razlaga vseh naprednih nastavitev termostata.

Korak (Prikazano spodaj na ekranu poleg kolesčka)	Prikaz na ekranu	Možnost izbire vrednosti (v oklepaju je tovarniško privzeta vrednost)	Opis
1	CL	Od -6 do +6 (0)	Korekcija prikaza temperature. Termostat je tovarniško natančno nastavljen na pravilen prikaz temperature vendar še vedno imate možnost prilagoditve prikaza s korekcijo le te.
2	AH	Od 20 do 50 (35)	Najvišja možnost nastavitve temperature ogrevanja v stopinjah °C. S to opcijo lahko omejite temperaturo ogrevanja, ki se lahko nastavi s pomočjo termostata.
3	AL	Od 5 do 20 (5)	Najnižja možnost nastavitve temperature ogrevanja v stopinjah °C. S to opcijo lahko omejite temperaturo ogrevanja, ki se lahko nastavi s pomočjo termostata.
4	FH	Od 20 do 60 (40)	Omejitev najvišje temperature tal
5	FL	Od 5 do 20 (5)	Omejitev najnižje temperature tal
6	SEN	AL/In/OU (AL)	Izbira, katero temperaturno tipalo bo termostat uporabljal. AL – Uporaba zunanjskega tipala in notranjega tipala, s tem da ima prioriteto temperature tal In – Uporaba le notranjega tipala zraka OU – Uporaba le zunanjskega tipala tal
7	bL	1 / 2 / 3 (2)	S to opcijo spremenite osvetlitev ekrana. 1 – osvetlitev je izključena ; 2 – osvetlitev ekrana traja 10 sekund ; 3 – osvetlitev ekrana je vedno vključena.
8	P51	0 / 7 (0)	Urniki programov ogrevanja. Tukaj vklopite, izklopite oz. nastavite na kakšen način deluje urnik programov ogrevanja. 0 – Urnik programov ogrevanja je izključen; 7 – 7 dni ( )
9	ES	On / Off (Off)	Pametna prilagoditev. Če imate to funkcijo vklopljeno (On), bo termostat začel delovati že pred preklopom naslednjega programa gretja in poskušal čim bolj udobno ogreti na željeno temperaturo. Če je ta funkcija vklopljena, se naprava ves čas uči in prilagaja ter izračuna, koliko časa prej mora začeti z ogrevanjem. V obzir vzame zadnjih 5 dni ogrevanja in koliko časa je potrebovala da je ogrela na željeno temperaturo.
10	An	On / Off (Off)	Zaščita proti zmrzovanju. Termostat bo vključil grelni enoto, če pade temperatura v okolici pod 5°C.
11	Ld	L / H / HH (HH)	Izbira moči porabnika HH – Porabnik definiran od 12 do 16A H – Porabnik definiran od 8 do 11A L – Porabnik definiran od 0 do 7A
12	Ntc	H / L (H)	Izbira tipa tipala H – NTC 100K L – NTC 10K

Vse napredne nastavitve lahko ponastavite na tovarniško privzete tako, da med nastavljanjem naprednih nastavitev držite srednjo tipko za meni (prikaz tipk 3) za 3 sekunde. Na ekranu utripne deFF. Vse nastavitve so tako povrnjene na tovarniško pred nastavitve.

## Sprememba načina uporabe – AP / WIFI način termostata

Termostat ima dva načina povezave.

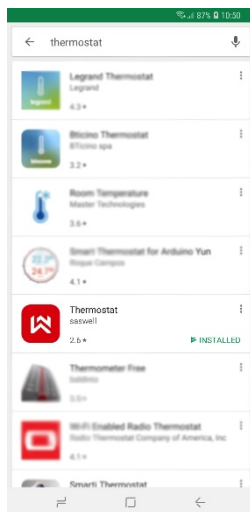
**AP** – pomeni da termostat oddaja svojo dostopno točko in se lahko na njega povežemo z ali brez računa Saswell. Ko je ta način vključen, se na prikazu ekrana prikaže simbol 11 (glej opis prikaza ekrana). V tem načinu ni možno nastavljanje termostata preko aplikacije, če ste izven dosegja omrežja termostata. Ta način je mišljen za povezovanje aplikacije s termostatom (termostat ima vključeno svojo dostopno točko) ali za testno povezovanje na termostat.

**WIFI / GATEWAY** – pomeni da je termostat povezan in sparjen z vašim domačim brezžičnim omrežjem. Ko je ta način vključen, je na ekranu prikazan simbol 10 (glej opis prikaza na ekranu 10). Če ta simbol utripa, pomeni da je težava s povezovanjem vašega domačega brezžičnega omrežja.

**Za spremembo načinov –WIFI/GATEWAY -> AP** je postopek sledeč (s tem vzpostavite termostat v način povezovanja z APP – domače omrežje): Termostat mora biti vključen in v ON načinu in sedaj držite tipko za vklop za 5 sekund. Opaziti bi morali spremembo iz WIFI v AP način – sprememba simbola na ekranu. Termostat se samodejno vzpostavi v način WIFI način, ko je termostat povezan z aplikacijo in domačim brezžičnim omrežjem.

## Saswell aplikacija – Namestitev, uporaba – korak za korakom

*Če potrebujete več informacij o uporabi aplikacije, obiščite Sen Controls youtube kanal*



### Namestitev aplikacije

Na svojem telefonu odprite trgovino za aplikacije (Google Play Store, Apple App Store) in iščite za iskalno nit »Thermostat Saswell«, razvijalca Saswell. Točno ime aplikacije je »Thermostat«. Aplikacijo namestite.

Sedaj bi morali imeti med nameščenimi aplikacijami novo ikono »Thermostat«. Pritisnite na njo, da odprete program.

### Uporaba aplikacije – lokalna uporaba

Termostat lahko uporabljate tudi brez internetnega dostopa, preko aplikacije, vendar v ohranjenem, testnem načinu – lokalna uporaba. V tem načinu morate biti v dosegu termostata in aplikacija vam bo omogočala ogled temperature prostora ter nastavitev trenutne želene temperature.

**Android:** Da bi vključili ta način, odprite aplikacijo. Na ekranu se vam v desnem kotu zgoraj prikaže napis »DIRECT«. Pritisnite na ta napis in program začne z iskanjem Saswell WIFI termostатов v bližini. Aplikacija išče odprte termostate in njihova WIFI brezžična omrežja, ki jih oddajajo. Ko aplikacija

prikaže najdene termostate, izberete želenega in kliknete na njegov SSID (le tega lahko tudi najdete na ohišju termostatu in sicer se začne z "THERMOSTAT-").

Ko kliknete nanj, lahko nastavite želeno ali zgolj preverite temperaturo prostora preko aplikacije.

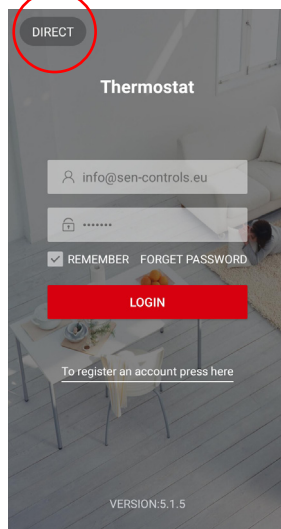
Pomembno – Da bi dostopali do testnega načina lokalne uporabe, mora biti termostat načinu AP – v nasprotnem primeru termostata ne boste videli na vašem telefonu.

\*SSID – SSID je ime WIFI brezžičnega omrežja.

**iOS:** Da bi vključili ta način, odprite aplikacijo. Na ekranu se vam v desnem kotu zgoraj prikaže napis »DIRECT«. Pritisnite na ta napis in sedaj se vrnite v meni telefona ter pojdite v nastavitve telefona / WLAN. Najdite SSID termostata in kliknite nanj (SSID se začne z "THERMOSTAT-"). Sedaj se vrnite v Thermostat aplikacijo in sedaj lahko nastavite želeno ali zgolj preverite temperaturo prostora preko aplikacije.

Pomembno – Da bi dostopali do testnega načina lokalne uporabe, mora biti termostat načinu AP – v nasprotnem primeru termostata ne boste videli na vašem telefonu.

\*SSID – SSID je ime WIFI brezžičnega omrežja.





## Uporaba aplikacije – Ustvarjanje Saswell računa (registracija)

Da bi shranili vse vaše termostate in nastavljali tedenske program termostata, morate opraviti registracijo Vašega Saswell računa. To storite enostavno in anonimno in sicer tako:

1. Odprete aplikacijo.
2. Ker računa še nimate, pritisnite na *"To register an account press here"*.
3. V »Please enter password« vnesite Vaše želeno geslo, ki si ga boste zapomnili.
4. Ponovite vneseno geslo pod *Verify password*
5. V polje »Please enter email« lahko, če želite, vnesete vašo e-pošto, ni pa obvezno, saj bo aplikacija sama generirala naključno številčno uporabniško ime ter tako ne boste vnašali nobeni vaših osebnih podatkov.
6. Pritisnite REGISTER in s tem ste samo še en korak do končanja postopka.
7. Če ste vnesli vašo e-pošto, preverite vaš e-poštni nabiralnik in najдите potrditveni email. Pritisnite na potrditveno povezavo in s tem ste zaključili registracijski postopek. Če e-pošte ne najdete, preverite pod »spam« razdelek v vašem poštnem odjemalcu – pošiljatelj SCINAN.

< Register

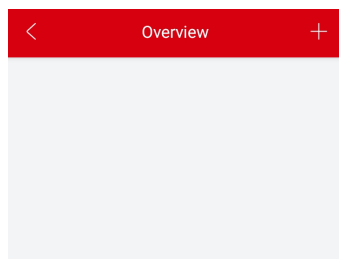
Please Enter Password

Verify Password

Please Enter Email(Optional)

REGISTER

Sedaj ko imate ustvarjen vaš račun Saswell, se z njim prijavite in sicer v glavnem meniju aplikacije vnesite pod *"Please enter account"* vašo generirano številko ali vaš poštni naslov in pod *"Please enter password"* vaš geslo ter pritisnite LOGIN. Sedaj bi morali videti pregled (Overview) vseh vaših termostatov – brez skrbi, če je trenutno prazen, bomo v naslednjem koraku dodali Vaš novi Saswell termostat.



## Uporaba aplikacije – Dodajanje termostata

Ker bi radi dodali nov termostat k vašemu računu za upravljanje preko interneta, preverite da je termostat v AP načinu – če ni, pojdi par strani nazaj in ga prestavite iz WIFI v AP. Prav tako **preverite, da ste svoj telefon povezavi v vaše domače brezžično omrežje, ki je zaščiten z geslom in sestavljeno iz enostavnih simbolov** ter vključite GPS oz. lokacijo.

Sedaj pa odprite aplikacijo in se prijavite s svojimi registracijskimi podatki in pritisnite na tipko **+** v desnem zgornjem kotu ekrana ter sledite korakom za vašo napravo na naslednjih straneh...

**Android** Če ste lastnik pametne naprave z Android operacijskim sistemom in imate termostat pripravljen v AP načinu:

1. Ker ste kliknili na + v desnem zgornjem kotu ekrana, pritisnite »FIND DEVICE«. Aplikacija sedaj odpre iskanje WIFI omrežij. Izberite tisto, ki se začne z »THERMOSTAT-x« kjer je X vaš termostat, recimo Thermostat-01A5DC.
2. Izberite želeni termostat, ki ga želite povezati v vaš račun. Če jih imate več, jih ločite glede na SSID napis na ohišju termostat. SSID je ime omrežja, ki ga ima termostat in po tem tudi ločite fizično ter v sami aplikaciji.
3. Ko ste izbrali vam sedaj aplikacija samodejno ponudi podatke vašega WIFI omrežja. Vnesti morate samo geslo vašega WIFI omrežja. Priporočamo, da se s svojim mobilnim telefonom postavite na lokacijo termostata in preko telefona ocenite jakost vašega brezžičnega omrežja. Zaželeno je imeti vsaj 2 ali več vidnih črtic pri indikatorju jakosti wifi signala.
4. Aplikacija sedaj izpiše »Connect device to network...« in opravlja povezovanje termostata z vašim brezžičnim omrežjem. Če je postopek uspešno izveden, vam aplikacija izpiše »Device connect internet success« in ponudi tipko »TRY NOW«. Pritisnite na njo.
5. Če je termostat uspešno dodan, ga bi sedaj morali videti med pregledom (»Overview«) vseh vaših Saswell internetnih termostatov pod imenom njegovega SSID (napis na ohišju termostata »SSID:Thermostat-....«).
6. Uspešno ste dodali svoj novi Saswell termostat v aplikacijo.

**iOS** Če ste lastnik pametne naprave z iOS operacijskim sistemom in imate termostat pripravljen v AP načinu ter ste trenutno povezani v vaše lokalno brezžično omrežje z vašim telefonom, sledite naslednjim korakom:

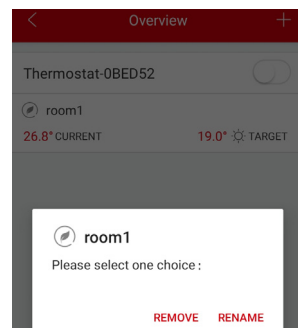
1. Ker ste kliknili na + v desnem zgornjem kotu ekrana, pojdi sedaj iz aplikacije v nastavitve vaše iOS naprave in pod razdelek WIFI/WLAN.
2. Vaš telefon vam bo sedaj prikazal vsa brezžična omrežja, ki so na voljo. Izberite WLAN omrežje, ki ima isto ime kot napis na ohišju Vašega termostata »SSID:Thermostat-....« in se povežite nanj.
3. Sedaj se vrnite v Thermostat aplikacijo. Aplikacija bi morala sama zaznati, da ste povezani na Saswell termostat ter prešla na naslednji korak, v kateremu morate potrditi geslo Vašega domačega brezžičnega omrežja. Vpišite geslo in dokončajte postopek s pritiskom na »SEND«
4. Če je termostat uspešno dodan, ga bi sedaj morali videti med pregledom (»Overview«) vseh vaših Saswell internetnih termostatov pod imenom njegovega SSID (napis na ohišju termostata »SSID:Thermostat-....«).
5. Uspešno ste dodali svoj novi Saswell termostat v aplikacijo.

## Uporaba aplikacije – Preimenovanje in odstranjevanje termostata

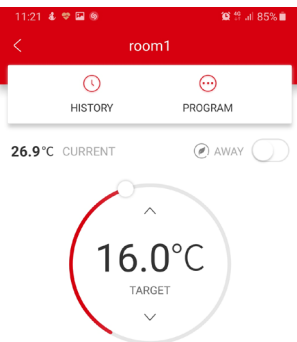
Vsi na novo dodani termostati imajo generična imena in če bi si radi organizirali termostate v vašem domu, lahko vsakega preimenujete po vaših željah. To storite tako da, ko ste v pregledu vseh Vaših naprav (termostatov), držite par sekund na imenu termostata, katerega želite preimenovali in aplikacija Vam ponudi opcijo »Rename thermostat« ter »Remove«.

**Preimenovanje** Ker želimo preimenovali termostat, izberemo opcijo »Rename thermostat«. Aplikacija nam ponudi vnos oz. spremembo imena, katero lahko poimenujete recimo »Dnevna soba« ali kaj podobnega. Ko končate s preimenovanjem, pritisnite OK.

**Izbris** Ker želimo izbrisati termostat, izberemo opcijo »Remove« in potrdimo izbris z YES.



## Uporaba aplikacije – Nastavitve programov, temperature, pregled stanja



Ko imate dodane termostate v aplikaciji, vam pod razdelkom »Overview« aplikacija prikaže stanje le teh – ECO (away) način, trenutna temperatura prostora, želena temperatura prostora in če je termostat vključen.

Če je termostat na voljo (v bližini vašega povezanega brezžičnega omrežja) lahko pritisnete na ime termostata in preidete v pregled termostata.

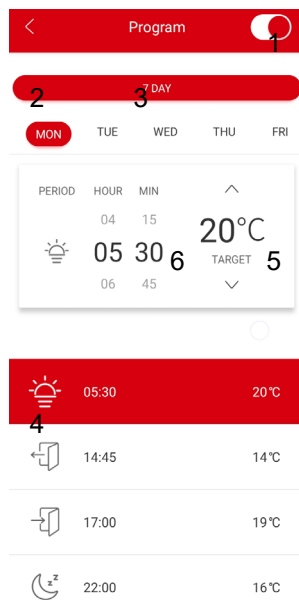
Sedaj lahko 1) nastavite začasno temperaturo (»Target«), 2) imate pregled nad trenutno temperaturo prostora (»Current«), 3) popolnoma izključite termostat (»Slide to power off«) tako, da podrsate na desno po napisu, 4) vključite ECO način (»AWAY«), 5) pregledate zgodovina temperature prostora in nastavitve ogrevanja ali 6) preidete v programiranje urnika ogrevanja s pritiskom na tipko »PROGRAM«.

**Vklop ECO načina** oz. načina »AWAY« vam do preklica prekine vse nastavljene temperature ogrevanja in vključi vzdrževanje temperature ogrevanja do 16°C. Ta način je primeren ob vaši daljši odsotnosti. Za vklop oz. izklop načina, podrsajte stikalo v zgornjem desnem kotu (4).

**Nastavitev programov** lahko izvajate, ko pritisnete na pregledu na tipko »PROGRAM«. Ta vam odpre meni, ki ga vidite na desni. Urnik ogrevanja je lahko vključen ali izključen (1 – podrsate).

Sedaj nastavljate urnike ogrevanja (2) za izbran oz. izbrane dneve, ki jih označite na točki 3. Ko imate izbran oz. izbrane dneve, lahko nastavljate za do 6 različnih dnevnih preklpov (4). Izberite zeleni preklp in z drsanjem nastavite zelen pričetek programa (5) ter s pritiskanjem na puščici gor ali dol, nastavite želeno temperaturo ob nastavljeni uri (6). Ko nastavite vse postavke za želen program, pritisnite na gumb »SUBMIT«, ki se pojavi ob spremembah da shranite nastavitve.

Če želite nastaviti **začasno temperaturo**, se vrnite na prejšnjo stran (točka 1), kjer je opis pregleda termostata in s pomočjo puščic za gor in dol nastavite zeleno temperaturo. Ta temperatura bo ostala začasno, do naslednjega pričetka programa ogrevanja, ki ga imate nastavljenega med programi. Če je je program ogrevanja onemogočen, vam bo Vaša nastavljena temperatura ostala do preklica oz. ponovnega vklopa programov ogrevanja – **stalno (permanentno) nastavljena temperatura**.



## GARANCIJA IN GARANCIJSKA IZJAVA

OPOZORILO: Vsebina teh navodil se lahko spremeni brez predhodnega opozorila – zaradi omejenih možnosti tiskanja se lahko predstavljeni simboli neznatno razlikujejo od simbolov na zaslonu – vsebine teh navodil brez soglasja proizvajalca ni mogoče razmnoževati.. Napravo se lahko prosto uporablja v EU. Vse izjave o skladnosti (CE, RoHS) so prosto dostopne na spletni strani [www.sen-controls.eu](http://www.sen-controls.eu) in podstraneh npr. <https://si.sen-controls.eu> pod zavihkom »Pravno« ali »Dokumenti« pri vsakem od objavljenih naprav ali na zahtevo preko epošte [info@sen-controls.eu](mailto:info@sen-controls.eu).

### Garancijska izjava

1. Izjavljamo, da jamčimo za lastnosti in brezhibno delovanje v garancijskem roku.
2. Garancijski rok prične teči z datumom izročitve blaga in velja **24 mesecev**.
3. Sen Controls d.o.o. jamči kupcu, da bo v garancijskem roku na lastne stroške odpravil vse pomanjkljivosti na aparatu zaradi tovarniške napake v materialu ali izdelavi.
4. Za čas popravila se garancijski rok podaljša.
5. Če aparat ni popravljen v roku 45 dni od dneva prijave okvare, lahko prizadeta stranka zahteva novega.
6. Garancija preneha, če je okvara nastala zaradi: - nestrokovnega-nepooblaščenega servisa  
- predelave brez odobritve proizvajalca; - neupoštevanja navodil za uporabo aparata
7. Garancija ne izključuje pravic potrošnika, ki izhajajo iz odgovornosti prodajalca za napake na blagu.
8. Proizvajalec zagotavlja proti plačilu popravilo, vzdrževanje blaga, nadomestne dele in priklopne aparate tri leta po poteku garancijskega roka.
9. Naravna obraba aparata je izključena iz garancijske obveznosti. Isto velja tudi za poškodbe zaradi nepravilne uporabe ali preobremenitve.
10. Omenjena garancija velja na območju držav članic EU ter Republike Srbije, Bosne in Hercegovine.

### NAVODILA ZA REKLAMACIJSKI POSTOPEK

Lastnik uveljavlja garancijski zahtevek tako, da ugotovljeno okvaro prijavi pooblašчени delavnici, serviserju oz. prodajnem mestu, pisno ali ustno. Kupec je odgovoren, če s prepozno prijavo povzroči škodo na aparatu. Po izteku garancijskega roka preneha pravica do uveljavljanja garancijskega zahtevka. Priložen mora biti potrjen garancijski list z originalnim računom.

Sen Controls d.o.o. se obvezuje, da bo aparat zamenjal z novim, če ta v tem garancijskem roku ne bi deloval brezhibno.

**Prosimo vas, da zraven pravilno izpolnjenega garancijskega lista dodate še čim bolj podrobno obrazložitev napake, zaradi katere reklamirate napravo.**

TIP NAPRAVE	Žični termostaat
PROIZVAJALEC	SASWELL
TIP	SAS920FHL-7-WIFI
DATUM PRODAJE	
PODPIS IN ŽIG PRODAJALCA	

**Uvoz, distribucija in servis za Slovenijo:** Sen Controls d.o.o., Belokranjska cesta 29, 8340 Črnomelj, Slovenija,

tel.: +386 40 299 299 [www.sen-controls.eu](http://www.sen-controls.eu) | [info@sen-controls.eu](mailto:info@sen-controls.eu) | Vprašanja in pomoč [support@sen-controls.eu](mailto:support@sen-controls.eu)

# ENG | User manual

Thermostat Saswell SAS920FHL-7-WIFI is a wired internet programmable thermostat for managing the heating systems that require a higher current relay, as this thermostat has 16A relay it's great for controlling of electrical floor heating, IR panels, electric radiators, ... and internet connectivity enables you to control your home temperature from anywhere in the world via your smart phone. All temperature settings and the regulation itself is easily controlled via the thermostat or phone app. The system also allows programming of the Heating schedule clock for 7 days and 6 switches per day. Supports iOS and Android.

The instructions for use and maintenance are part of the general terms and conditions of sale. We reserve the right to change the details, technology and performance. The guarantee is valid only with the original invoice. We allow the possibility of errors in the text.

## Important notes before first use, installation and maintenance

Before use, carefully read the manual not only for the thermostat, but also for the Heating device (heat pump, pumps, boilers, etc.) • Turn off the power supply before installing the thermostat! • We recommend that the installation is done by a qualified electrician • the electrical circuit must be secured with a fuse that does not exceed the current load of wiring • Please note all safety instructions before installing • Do not expose the product to direct sunlight, extreme cold, humidity and sudden temperature changes. This would reduce the accuracy of the temperature measurement • Do not place the product in places that are prone to vibrations and shocks - this can cause damage • Do not expose the product to excessive pressure, shock, dust, high temperatures or moisture, as these can cause damage to one of the functions product, shorter energy endurance, damage to batteries, and deformation of plastic parts. • Do not expose the product to rain or moisture, dripping or spraying water. • Do not place any sources of fire on the product, for example, spark plugs etc. • Do not place the product in places where there is insufficient air circulation. • Do not insert any objects into the ventilation openings. • Do not interfere with the internal electrical wiring of the product. It may be damaged and therefore terminate the warranty. The product must only be repaired by a trained specialist. • Use a moderately moistened cloth for cleaning. Do not use solutions or cleaning products - may damage plastic parts and electrical wiring • Do not immerse the product in water or other liquids. • Do not repair it yourself if the product is damaged or defective. Put it in the repair shop where you bought it • The product should not be used by a person (including children) by physical, sensory or mental disability or lack of experience and knowledge impeded by the safe use of the device if they are not controlled, or if they were not informed by the person responsible for their safety about the use of the device • Children's control is necessary to ensure that they do not play with the device.

Declaration of conformity has been issued for the product. The device can be freely used in the EU. This and other documentation (RoHS, CE, ...) is freely available on the website [www.sen-controls.eu](http://www.sen-controls.eu) and or subsites e.g. [en.sen-controls.eu](http://en.sen-controls.eu) under tab "Pravno", "Dokumenti "Legal, Documents" or similar at each published product.. Manufacturer of this product is SASWELL CONTROLS (HONGKONG) LTD. Importer, distributor and service for Saswell is Sen Controls d.o.o., Belokranjska cesta 29, 8340 Črnomelj, Slovenia

### Lastnosti

- 16A relay for us with all higher current devices
- Built in WIFI modul for wireless app control via iOS and Android Thermostat app
- Large LCD screen with high brightness
- Maintains all settings despite the loss of power
- Intelligent adaption function
- Temporary hold and constant, permanent hold modes for power saving or greater comfort – manual temperature setting
- Heating schedule program for each day (7 days) with six different time and temperature settings
- Temperature calibration
- Antifreeze function
- On wall (dose-socket) installation

### Specifikacije enote

Power supply	100-240V, AC 50/60Hz (Max load 250V, AC 16A)
Room temperature setting range	5°C ~ 35°C (Accuracy 0.5°C)
Room temperature measurement	5°C to 50°C (accuracy 0.1°C)
Ambient temperature	0°C ~50°C Humidity up to 90%
Transport or warehouse temperature	-10°C ~ +60°C Humidity up to 90%
Dimensions	86 x 86 x 13mm

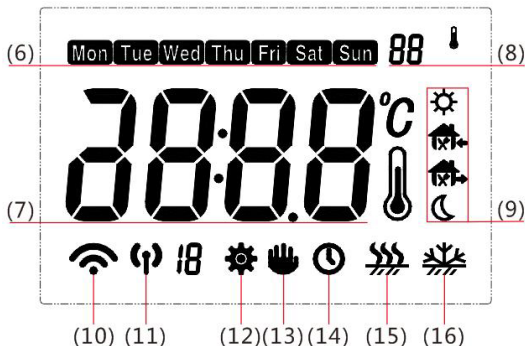
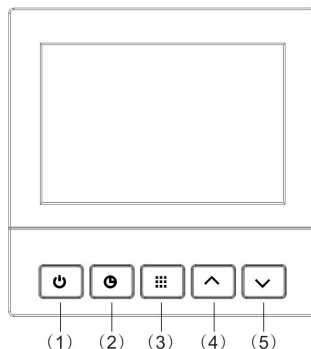
## Thermostat description

### Buttons

1. On/Off button (short press will turn on or turn off the device); Confirmation button
2. Check current day and time (short press); Set current day and time (two short presses)
3. Settings/menu button
4. Change value – increase
5. Change value – decrease

### Display

6. Day, days of week
7. Main display (Temperature...)
8. Step of the current advanced setting that is currently editing (visible only in edit mode)
9. Currently active Heating program schedule or the currently editing Heating program schedule
10. Device in WIFI mode
11. Device in AP mode
12. Editing advanced settings mode
13. Constant temperature hold mode
14. Thermostat is currently using Heating program schedule or is in Heating program schedule editing mode
15. Heating mode (thermostat's output signal for Heating is active)
16. Thermostat is in antifreeze mode



## Installation

### Wall mount (dose – socket)

First, remove the back of the thermostat. Do that by using a straight screwdriver and carefully rise the front cover from the bottom up. While doing that you will notice a small flex cable attached to the back and the front of the case. Be careful not tearing it.

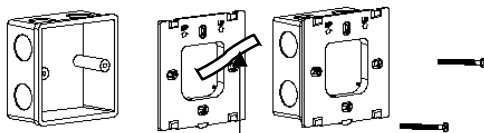
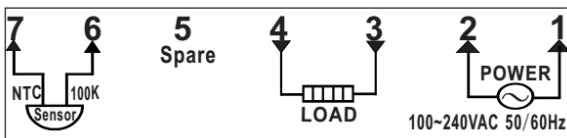
You have to remove the cable from the front part of the case. Do it carefully. Now, the thermostat should be separated on two parts – front (screen) and back (electrical connection...).

When the parts are separated, take the back part and make the electrical wiring.

Once again, the assembly should be carried out by a qualified person and read all safety instructions and warnings before assembly. Keep main power off all the time!

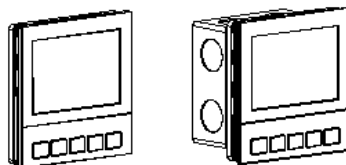
Use the electrical wiring scheme on the right side for help.

Now follows the installation of the back part into the wall socket. For help use the picture below. Two screws are attached for easier installation. Be careful to install the back part the right orientation as the small "tongue" part on the bottom should be looking towards the floor.



Socket installation / »tongue« / Connecting cable / Screwing the back part in the socket

When you've attached the back part on the wall socket, you can connect the back part with the front one. You can do that by carefully attaching the cable to the front part and then pushing the front part of the case on the already installed one. The thermostat should now be installed and ready for use



## Possible error codes

Below is a description of possible error codes, which might show during the thermostat use.

Error code	Description
<b>Err.3</b>	Sensor in thermostat is in short circuit. Thermostat stops Heating.
<b>Err.4</b>	Sensor in thermostat is malfunctioning. Thermostat stops Heating.

Using the thermostat – First steps, basics and description of functions, settings

The thermostat is very easy to use but it offers many advanced functions. For a quick and easy start, the instructions will be explained in the next pages and we advise that you go through them for even easier use.

By default, the thermostat has Heating schedule programs DISABLED. This means, that out of the box you can only set the permanent, constant temperature and Heating schedule programs cannot be set.

If you want to enable Heating schedule programming, you'll have to follow the part of advanced settings for setting the heating programs of the thermostat.

### Turning ON / OFF

The thermostat can be turned ON or OFF by a short press on a button for turning on/off (see button description 1)

### Changing the values

The values are always changed by short pressing the ▲ (changing value, button description 4) and ▼ (changing value, button description 5) buttons.

### Displaying time and day

You can check the current time and day by simply short pressing button ⌚ (button description 2). The device has to be turned on to use this function.

### Temporary temperature change

Temporary temperature change means, that if you currently want to change the temperature which will stay changed until the next Heating program change (if you're using Heating schedule programs – otherwise, a permanent, constant temperature change is made).

For example – Currently the time is 13:00 and the Heating temperature is set to 20.0°C. You temporary change the temperature to 24.0°C and the thermostat will keep this set value until the next Heating schedule change, which you've set at 14:30 with temperature set at 22.0°C.

You can activate the temporary temperature change by pressing ▲ or ▼ buttons, when you're not in any menu and the device is turned on. When you press one of those two buttons, the currently set temperature starts to blink. Now, set it to your desired value and when you're satisfied with the temperature, stop pressing the buttons and the device will save the settings itself and start to use the new set temperature until the next Heating schedule program starts.








If you've set everything correctly, the device will show symbols of a clock (using schedule, display description 14) and a hand (manual temperature change, display description 13). You can exit this function anytime by simply pressing the middle menu button (button description 3) and the thermostat will go back to using the currently set Heating schedule program. The device will show only a symbol of a clock.

### Permanent (constant) temperature change

Function of permanent temperature change means, that when the function is enabled, the thermostat ignores all of the currently set schedules of Heating programs until manually canceled and uses your manually set temperature.

You can turn on the function when the device is turned on and is not in any of the menus then you shortly press the middle menu button (button description 3). Only a symbol for hand is displayed below (display description 13) and the Heating schedule programs are turned off. Set the temperature by pressing ▲ or ▼ buttons. When you're satisfied with your set temperature, stop pressing the buttons and device will save the settings by itself. Your new currently set temperature will be kept until you cancel it by shortly pressing the middle button (button description 3). This function is also usefull if you're away for holiday or a longer time and want to keep the lowest room temperature you want.

Setting the day and time



With a short press on the  button, the thermostat will show you the current set time and day. If you press the  button again (or just double press it at the start), you will enter the day and time edit mode. First, the minutes position is blinking. Change the value to the current minutes by using buttons  or . After you're done with setting the minutes, short press the  button to enter editing current hour. Now the hour position should blink. Again, change the hour value. When you've set the hour, short pres the  button again and now you're editing the current day. Again, change the value and after you're done setting current time and day. You can exit editing by pressing the  button or just wait for the device to save the values itself after a few seconds.

Setting the Heating Schedule Programs

The condition for setting the Heating schedule is that the Heating programs are turned on (it is turned off by default) in the advanced settings.

Before proceeding, check the advanced thermostat settings. Depending on the set advanced thermostat settings, you can set on how the schedule program works. In advanced settings, you can set your schedule for 7 days (each day) or just turn it off. Also you can set the number of 6 daily switches.

The Heating schedule can be easily edited via the main editing menu - the thermostat must be turned on, then hold (5 seconds) the middle menu button (button description 3). Now you're in the program editing menu.

When you're in the Heating schedule programs editing menu, you'll see on the right side of the screen a blinking icon (sun, moon, house...) which shows for which program switch you're currently editing the program. Also at the top of the screen, the day or days start to blink. That means that you're editing for the selected day or days. You change the values by pressing the  and  buttons and go to the next setting with the middle menu button (button description 3). All the settings will be automatically saved if you don't press any button for more than 10 seconds.







Firstly, you must select for which day you'll be setting the schedule. When you select the day or days, press the menu button and then you'll proceed to setting the time of when this schedule will start. When you're done setting the time, press the middle menu button and you'll be setting the temperature for that schedule. Set the desired temperature and again press the menu button. Now you're done setting the settings for the first Heating schedule switch of the program. Now a different icon on the right (sun, moon, house) should blink, which indicates that you're editing for the next Heating program switch.

You can look at example of predefined Heating schedule programs on the next pages.

Predefined Heating Schedule Programs tables

Below are listed the predefined Heating schedule programs. They are set with default values.

All settings of heating schedule programs can be reset to factory defaults by holding the middle menu button (button description 3) for 3 seconds while editing the programs. Screen will show and blink DEF.

											
t	temp	t	temp	t	temp	t	temp	t	temp	t	temp
6:00	20°C	8:00	16°C	11:00	20°C	14:00	16°C	18:00	20°C	22:00	16°00

## Advanced thermostat settings

The thermostat also has advanced thermostat settings for further customization of the device to your wishes and demands. You can enter the advanced settings by turning off the thermostat. The screen should show OFF. Then hold the middle menu button (button description 3) for 5 seconds. The screen will be turned on and the display will show CL and a small gear icon will appear on the bottom. That means that you're now in the advanced settings and you're editing the first setting.

You move around the menu by short pressing the middle menu button and change the value by pressing the ▲ or ▼ button. Settings are saved by short pressing the ON/OFF button. If you don't press any button for more than 20 seconds, the device will also save the settings by itself.

Step (Shown below, near the gear icon)	Display on display	Selectable values (in brackets is the factory default value)	Description
1	CL	From -6 to +6 (0)	Temperature display correction. Thermostat is factory-set to the correct temperature display, but you still have the option of adjusting the display by correcting it.
2	AH	From 20 to 50 (35)	Maximum setting of heating temperature in degrees °C. With this option, you can limit the heating temperature that can be set using the thermostat.
3	AL	From 5 to 20 (5)	Minimum option of setting the heating temperature in degrees °C. With this option, you can limit the heating temperature that can be set using the thermostat.
4	FH	From 20 to 60 (40)	Floor limitation temperature maximum.
5	FL	From 5 to 20 (5)	Floor limitation temperature minimum.
6	SEN	AL/In/OU (AL)	Selection of which temperature sensor will thermostat use: AL – Use of internal and external temperature sensor, floor sensor has priority In – Use of only internal temperature sensor OU – Use of only external temperature sensor
7	bL	1 / 2 / 3 (2)	Use this option to change the screen brightness. 1 – Screen backlight is off; 2 – Screen backlight lasts 10 seconds; 3 – Screen backlight is always turned on
8	P51	0 / 7 (0)	Heating Schedule programs. Here you can turn on/off and set on how the heating program schedule will work. 0 – The heating program schedule is turned off; 7 – 7 days (each day separately)
9	ES	On / Off (Off)	Smart adaption. If you have this function enabled (On), the thermostat will start to heat before the next heating program schedule will start and with that it will achieve a more comfort way of heating. The thermostat learns regarding the last 5 days of heating conditions and how much time it took to get to the desired set temperature. For example – if it needed 30 minutes to get from 20°C to 22°C it will start heating 30 minutes before the next heating program with 22°C occurs.
10	An	On / Off (Off)	Antifreeze protection. The thermostat will turn on heating, if the temperature falls below 5°C.
11	Ld	L / H / HH (HH)	Selection of what kind of a device will be connected to the thermostat and limitation of Amps HH – 12A-16A H – 8A-11A L – 0A-7A

All of the advanced settings can be reset to factory default values by holding the middle menu button (button description 3) for 3 seconds, while in editing mode. Screen will display dEF and all settings will be reset.



## Changing control mode – AP / WIFI thermostat mode

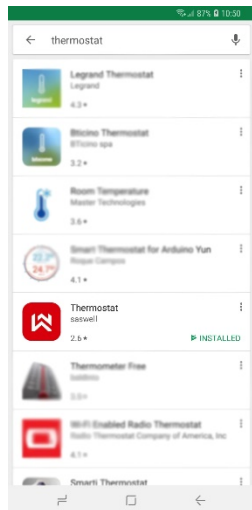
The thermostat has two control modes

**AP** – means that the thermostat is in access point mode and you can see the thermostats SSID wireless network and can connect to it. You can use this mode for pairing or to **DIRECT** connect to the thermostat via app for testing purposes. When this mode is on, a symbol is displayed on the screen (see display description 11).

**WIFI / GATEWAY** – means that the thermostat is connected and paired to the home wireless network and app. When this mode is on, a symbol is displayed on the screen (see display description 10). If this symbol is blinking, there's a problem with connecting with your local wireless network.

**To change modes – WIFI/GATEWAY -> AP** (by doing this, the thermostat is back available for pairing with app, home wifi network,...):

The thermostat must be turned ON and now hold the on/off button for 5 seconds. Symbol for WIFI should disappear and AP mode symbol should be turned on. The thermostat automatically turn on the WIFI mode when you connect the thermostat with your home wireless network and the Saswell app.



## Saswell application APP – Installation, use – Step by step

*If you need more help regarding the use of our APP, visit our YouTube channel Sen Controls.*

### Application installation

On your smart phone, open the app store (Google Play Store, Apple App Store) and search for »Thermostat Saswell«, developer Saswell. The exact name of the app is »Thermostat«. Install the app on your device.

Now you should have the icon of Thermostat visible in your applications on your phone. Press on the icon to open the app.

### Using the App – local, test mode

Thermostat can also be used via the app without internet access but in test mode – local mode. This means, you can only see the current room temperature and set the desired temperature but cannot set any heating schedules.

**Android:** To use this mode, open the app. On the top right of the screen you'll see »DIRECT« button. Click on it and the application will start looking for nearby Saswell thermostats. All of nearby thermostats, that are in AP mode will be seen and listed. Select the

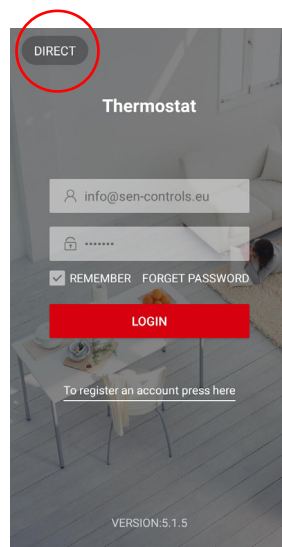
one that you wish to connect by pressing on its SSID\* name (thermostats SSID is also printed on the case of the thermostat starting with »THERMOSTAT-«)

When you click on it, you'll be able to see the current room temperature and set the desired heating temperature via app.

**iOS:** To use this mode, open the app. On the top right of the screen you'll see »DIRECT« button. Click on it and now go back to your phone's settings menu, WIFI settings. Find the SSID\* of the thermostat and click on it (SSID starts with »THERMOSTAT-«). Now return to the Saswell app. Now, you should be able to see the current room temperature and set the desired heating temperature via app.

**Important** – To be able to access the local, test mode, the thermostat must be set to AP mode. Otherwise, you won't be able to see your thermostat.

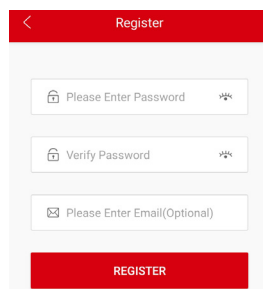
\*SSID – SSID is the name of the WIFI wireless network



## Using the App – Creating a new Saswell account (registration)

To save all of your thermostats and be able to set your heating schedule programs, you have to create a new Saswell account if you don't have one yet. You can do this easy and anonymous by:

1. Open the app.
2. Because you don't have an account yet, press *"To register an account press here"*.
3. Under "Please enter password" enter your desired password that you'll remember.
4. Repeat the entered password under "verify password"
5. In the field "Please enter email" you can put down you email address which will be used as you login id BUT it's not mandatory as if you leave this field empty, the thermostat app will generate a random user id which you'll write down and save for further use.
6. Now press "Register" and you're done!
7. If you enter your email address, you'll have to confirm it by clicking on a confirmation link. Check your email and check spam folder. There should be an email from Scinan.

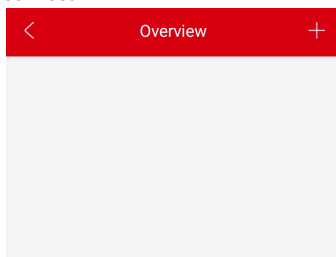


Now that you have your new Saswell account, use it to login to your account in the app. Under "Please enter account" you should have automatically generated number that the app made for you. Write it down and save it for later use as this will be your account id or enter your email address used for registration and under Password enter your password. Now press login.

You should now be in the overview screen, which should be empty, but don't worry, as you've just created your account it's time to add your first thermostat to your account.

## Using the App – Adding a new thermostat

Before adding a new thermostat to your account, you have to make sure that the thermostat is in AP mode. If not, turn it to AP mode using the instructions on previous pages. **Also, make sure your smart phone is connected to your local wifi network, which is secured with an password! Otherwise the app wont be able to suggest the network on which it will connect.**



Now, open the app and login using your login information. Now, when you're in the Overview, press + button on the top right of the screen and follow the instructions for your smart device...

### Android

If you own a smart device with Android operating system and have the thermostat ready in AP mode, follow these steps:

1. After you pressed on + button on top right of the overview screen, you can now click on »FIND DEVICE«. Now a list of all nearby WIFI networks will show up and select the one that has the name of your Thermostat SSID – example Thermostat-01A5DC.
2. Select and press on the desired thermostat that you wish to pair. If you have more than one available, you can distinguish them by their SSID name as every Saswell app thermostat has written its unique SSID name on its housing and in app.
3. After selecting the thermostat, the app will automatically suggest your home wifi network and it will fill in your networks name. You only have to enter your password. you have to select the gateway to connect your thermostat to. The gateway is the name of SSID of your home wireless network. Select the one that is the closest to your Saswell thermostat to ensure connection quality. If your home wireless router is too far away, use a Wi-Fi extender or move the thermostat or router closer. It's recommended to have at least two strength lines on you smart device (this is also a way to check your wireless signal strength on the thermostats location).
4. When you've selected the desired wireless network, check the wifi information – wireless network name and password. Add the password, if it's not automatically added. When you've completed this step, press "CONFIG" button to connect to the network.
5. The app should now show a popup "Connect device to network..." and tries to connect the thermostat to your wireless network. If the process is successfully complete, the app shows "Device connect internet success" and now you can press button "TRY NOW". Press it.
6. If everything went ok, you should see your newly added thermostat under Overview of all of your added thermostats (if there are more), named like it's SSID (see casing of the thermostat – "SSID:Thermostat-...").
7. You've successfully added your new Saswell thermostat to the Saswell app.

**iOS** If you own a smart device with iOS operating system and have the thermostat ready in AP mode follow these steps:

1. After you pressed on + button on top right of the overview screen, you can now go back to your phone and go to Settings and WIFI settings.
2. Your phone should list all of the available wireless networks around your phone. Select and connect to the network with SSID name which is the same as the one on the thermostats housing "SSID:Thermostat-....".
3. Now after you've connected to the thermostats network, return to the Thermostat app. App should automatically see, that you're connected to the thermostats network and moved on to the next step. Now you have to re-enter the password for your home network – the SSID of your home network should be already filled in but the password should be empty. Enter the password to finish this step and press "SEND".
4. If the thermostat is successfully added, you should be able to see it under Overview windows near all of your other added thermostat, if there are any. Each thermostat is named like it's SSID, which is also visible on the thermostats housing ("Thermostat-....").
5. You've successfully added your new Saswell thermostat to the Saswell app.

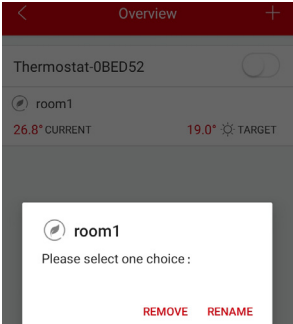
**Using the App – Renaming and deleting the thermostat**

All of the newly added thermostats have generic and pre-set names. If you'd like to organize the thermostats in your home, you can easily rename each one by your preferences or remove one if you wish to re-add or just remove it from your account.

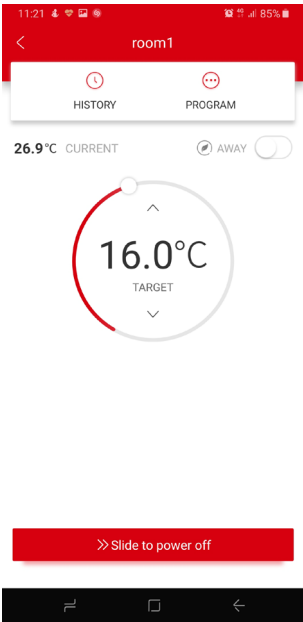
You can do this by pressing on the thermostats name for a few seconds and a popup window should appear, asking for your choice to remove or rename the thermostat.

**Renaming** As we wish to rename the thermostat, we select the option "Rename". App now offers textbox to rename the thermostats name. You can enter anything you like, for example "Kitchen" or "Living room". After you're done, press OK.

**Removing** As we wish to delete the thermostat, we select the option "Remove" and confirm the deletion with pressing "YES".



**Using the App – Setting heating schedule programs, temperature and status**



After you've added a thermostat to your app, you can see it under Overview when you login to the app. Under overview you can see a short status of all thermostats – ECO (away) mode active or not, current room temperature, current set temperature and if the thermostat is turned off.

If the thermostat is available for use (connected to your home network and visible in overview) you can press on its name to go under thermostats settings.

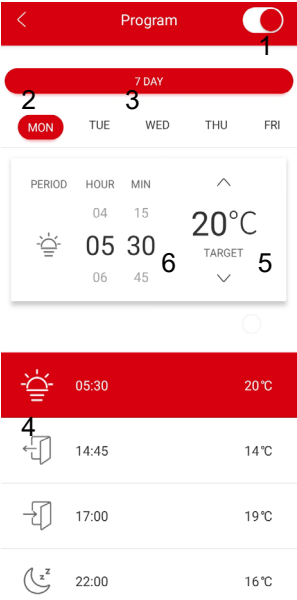
Now you can 1) set the temporary temperature ("TARGET") 2) see the current room temperature ("CURRENT"), 3) completely turn off the thermostat (by sliding right over the slide to power off) 4) turn on the ECO mode ("AWAY"), 5) see the room temperature history and heating history or 6) set heating schedule programs by pressing the PROGRAM button.

**Turning on the ECO mode** or »AWAY« mode, will turn off all of your set heating modes until turned off and will try to keep heating only up to 16°C. This mode is useful when you're away for a shorter time and would like to keep a lower room temperature in your home. To turn this mode on or off, slide the switch in the top right corner (4).

**Setting schedule programs** can be set by pressing on the button “PROGRAM”. This opens a new menu, which you can see on the left side. The heating schedule program can be turned on or off by sliding on top right button (1).

Now you’re setting the heating schedule for (2) selected day or days, that you can mark on point 3. When you’ve selected your desired days to set the program, you can set up to 6 daily programs (4) Select the desired daily program and by sliding up or down set the desired starting hour for the program (5). Now set the desired set temperature by pressing up or down arrows (6). When you’ve set all of the heating programs, press SUBMIT (7) to save all of your changes.

If you wish to set a **temporary set temperature**, return to the previous window by pressing the back arrow on the top left corner and change the desired set temperature by pressing on the arrows up and down. The temperature will stay on until the next heating schedule program occurs. If the heating schedule programs are disabled (turned off by sliding the point 1 on the picture on the right) you’ll be setting **permanent set temperature**, which will stay on until re enabling the heating schedule programs.



Warning: The contents of these instructions can be changed without prior notice and warning - due to limited printing options, the symbols presented may vary slightly from the on-screen symbols - the contents of these instructions cannot be reproduced without the consent of the manufacturer.

SASWELL CONTROLS (HONGKONG) LTD. 3/F Building A, East 8th Region, Shangxue Industry & Science Park, Buji town, Shenzhen City, Guangdong, China declares that SAS920FHL-7-WIFI in accordance with the essential requirements and other related provisions of the Directive 2014/53/EU, 2015/863 (2011/65/EU), 2014/35/EU. The device can be freely used in the EU. All declarations of conformity (CE, RoHS) are freely available on the website [www.sen-controls.eu](http://www.sen-controls.eu) and its subsites eg. <https://en.sen-controls.eu> or other. The documents are also available on products subsites under "Documents" or "Legal" or by inquiry on email [info@sen-controls.eu](mailto:info@sen-controls.eu).

### Warranty statement

1. We declare that we guarantee the properties and faultless operation within the warranty period.
2. The warranty period begins with the date of purchase and is valid for **24 months**.
3. Sen Controls d.o.o. guarantees to the buyer that during the warranty period we will eliminate all defects on the device due to a factory failure in material or workmanship at our own expense.
4. For the time of repair, the warranty period is extended.
5. If the device is not repaired within 45 days from the date of the failure report, the affected party may request a new one.
6. The guarantee is terminated if the defect occurred due to:
  - Unprofessional-unauthorized service
  - Opening or modifying the device without the manufacturers
  - Failure to comply with the instructions for use of the device
7. The guarantee does not exclude the rights of the consumer arising from the seller's responsibility for defects in goods.
8. The manufacturer provides repairs, maintenance of goods, spare parts and couplings against payment for three years after the expiration of the warranty period.
9. The natural wear of the device is excluded from the warranty. The same applies to damage due to improper use or overload.
10. The limited warranty applies in the territory of the EU Member States and the Republic of Serbia, Bosnia and Herzegovina.

### INSTRUCTIONS FOR THE RECLAMATION PROCEDURE

The owner invokes a guarantee claim by declaring the impairment to an authorized workshop, repairer, point of sale, either in writing or orally. The buyer is responsible if he causes damage to the appliance by late notification. Upon expiration of the warranty period, the right to claim a warranty claim has expired. The validated warranty card with the original invoice must be attached.

Sen Controls d.o.o. undertake to replace the device with a new one if it fails to function properly in this warranty period.

**Please add a detailed explanation of the error of the device, along with a properly completed warranty card.**

Type of the device	Wired thermostat
Manufacturer	SASWELL
Model	SAS920FHL-7-WIFI
Date of purchase	
SIGNATURE AND STAMP OF THE SELLER	

### Importer and service

Sen Controls d.o.o., Belokranjska cesta 29, 8340 Črnomelj, Slovenia, tel.: +386 40 299 299  
[www.sen-controls.eu](http://www.sen-controls.eu) | [info@sen-controls.eu](mailto:info@sen-controls.eu) | [support@sen-controls.eu](mailto:support@sen-controls.eu)