KNX Multitouch Pro

Operating instructions

Art. no. MTN6215-5910

Necessary accessories

– Complete the KNX Multitouch Pro with a System Design frame.

Accessories

– Dismantling protection art. no. MTN6270-0000
– Remote sensor for universal room temperature control unit with touch display art. no. MTN5775-0003

Scope of delivery

KNX Multitouch Pro with bus connecting terminal

Retaining ring

For your safety

DANGER
Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Connecting and establishing KNX networks

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

Getting to know the KNX Multitouch Pro

The KNX Multitouch Pro is a KNX control unit with which you can control up to 32 different room functions, such as switching or dimming lights, controlling blinds or calling up scenes. Moreover, it has an integrated room temperature control unit which supports different types of control.

All functions are displayed on a touch screen and are called up using simple finger movements.

The KNX Multitouch Pro has an integrated bus coupler; its power is supplied via the KNX bus.

ETS device functions

The proximity function

When the proximity function is active, the start screen is only visible when you approach within approx. 20 cm of the KNX Multitouch Pro. As soon as no further movement is detected towards the device, it switches back to standby after a certain time (0-600 s).

Ⓐ Range approx. 20 cm
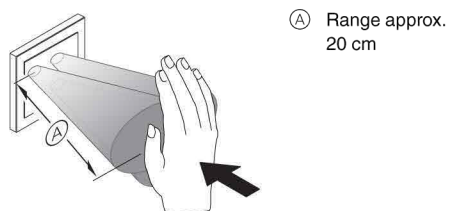
ℹ️ Proximity is detected optimally when you move the palm of your hand frontally towards the device. The range Ⓐ can fluctuate slightly due to environmental factors (e.g. ambient brightness).

The gesture function

When the gesture function is switched on, the KNX Multitouch Pro can detect a hand movement and thus call up a function that you have defined. In this way, the light can be switched on by a gesture when you enter the room, for example.

You can choose between 2 gestures that the device recognises:

Gesture 1: Horizontal hand movement

Gesture 2: Vertical hand movement

The gesture is detected at a distance of about 5 cm in front of the device (please refer to the information about the proximity function).

Cleaning mode

If you activate cleaning mode, the screen does not detect either touches or gestures for 30 s - 90 s.
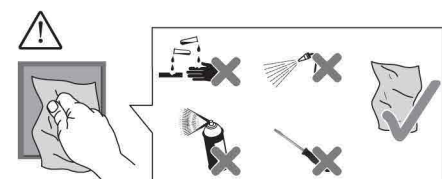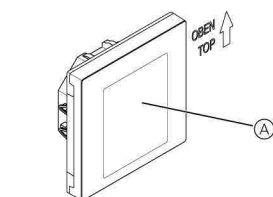

Additional functions

- Adjusting the background lighting
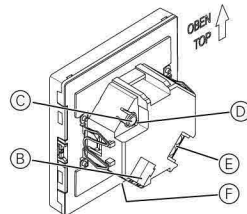- Setting the screen saver
- Screen lock

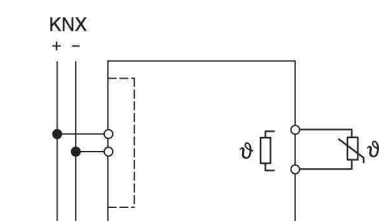## Displays and operating elements

The front

Ⓐ Touch screen

The back

Ⓑ Bus connecting terminal and bus connection
Ⓒ Programming button
Ⓓ Programming LED
Ⓔ Remote sensor connecting terminal
Ⓕ Service interface

Connections

Selecting the installation site

ℹ️ **Functioning error due to direct sunlight**
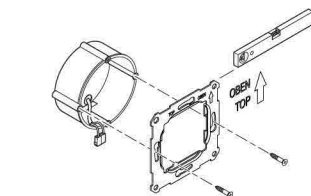Direct sunlight on the device can prevent proximity from being detected in certain cases.
- Always place the device in areas with normal light conditions.

Installing the KNX Multitouch Pro

Installing an individual device

A frame is required for installation.

① Mount the retaining ring with the arrow pointed upwards towards the mounting box.

② Bus connection Ⓐ:
- Connect the red bus core (+) to the red bus connecting terminal.
- Connect the black bus core (-) to the dark grey bus connecting terminal.

Installing a combination

③ Insulate the shield and stability wire and the white and yellow cores Ⓑ and place them in the mounting box.
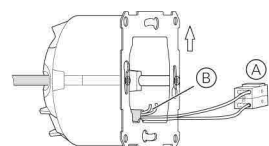
④ Optional: Connecting the remote sensor
⑤ Place the device with the bus connection at the base in the frame.
⑥ Connect the bus connecting terminal to the bus connection.
⑦ Insert the device together with the frame into the retaining ring and click into place.
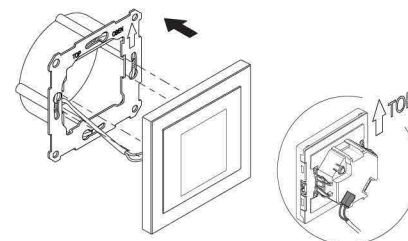
Installing a combination

Observe the following additional installation instructions when installing devices in combination with a 230 V connection (e.g. sockets).

WARNING
Risk of fatal injury from electric shock. The device can be damaged.

Basic insulation to the retaining ring must always be ensured for SELV cables.

- Observe the following insulation stripping lengths and the instructions on laying cables.

15 mm   5 mm
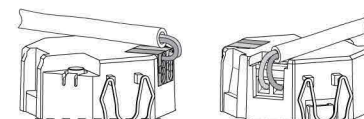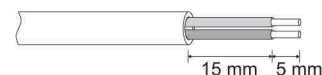
If only single-wire insulation is available, you must restore basic insulation.

- Pull an insulation sleeve or the bus cable sheathing over the individual wires.

Remote sensor: Installation instructions

ℹ️ Notes about installation:
- Select an installation site that allows the remote sensor to measure the temperature freely.
- Route the remote sensor in an empty tube as far as measurement input.
- Floor installation: Route the remote sensor in a sensor protection tube so that the remote sensor does not get damaged by tile cement or screed.
- The sensor line can be extended with a 2-core cable for mains voltage (1.5 mm^2) or with a bell wire (<10 m).
- Screw tightening torque: max. 0.4 Nm

ℹ️ Observe the instructions on the insulation stripping length and on laying cables in the chapter "Installing a combination".

Commissioning the KNX Multitouch Pro

① Press the programming button.
The programming-LED lights up.
② Load the physical address and application into the device from the ETS.
The programming LED goes out.
The device enters configuration mode for a few seconds. During this time, a message appears on the display asking you to wait.

ℹ️ The proximity sensor is adapted to the specific circumstances in configuration mode. To achieve an optimum result, the device is not allowed to register any movements during this period. Otherwise, the configuration will repeatedly start from the beginning again, or the result will be falsified.

The user interface in brief

As soon as the KNX Multitouch Pro is ready to operate, the start screen you have chosen will be displayed. This is for example the main function screen of the room temperature control unit with information on temperature and operating mode.

Swipe to the right or left to access a further 7 main function screens at most, and the General Settings.

Each main function screen has access to 3 sub function screens at most on which you can set the slat position or the timer switch, for example.
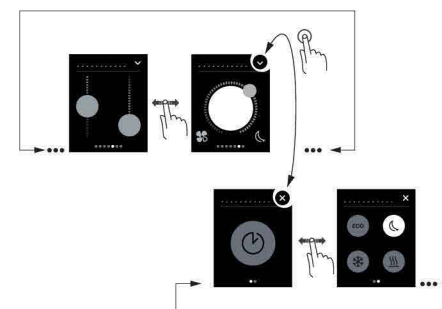
How to navigate through the menu

In the General Settings, you define general settings for the screen saver, the proximity function or the gesture function.

How to operate

🖐️➡️ Swipe right/left: Switch between the function screens

👆 Tap: Jump between the main function screen and sub function screen, call up functions, set values
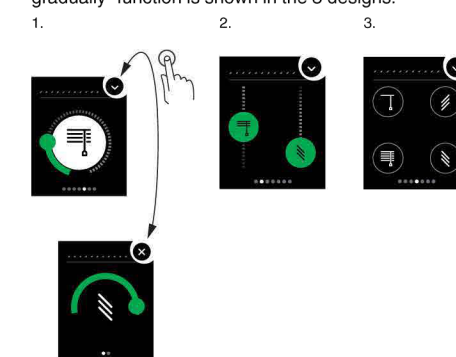
🖐️↻ Swipe circular, swipe up/down: Move through value ranges, call up values.

👆 Tap and hold: Call up special functions such as saving scenes or moving blinds.

View of the room functions

You can display your room functions in different designs.

In the following example, the "Move blind and adjust slats gradually" function is shown in the 3 designs.

1.   2.   3.

Menu instructions

The complete menu instructions can be downloaded here.

 www.schneider-electric.com/ww/en

Customer-specific adaptations

If you want to adjust colours and symbols on the user interface, please contact your Schneider Electric Customer Care Center.

www.schneider-electric.com

Technical data

Power supply from KNX:	DC 24 V, approx. 28 mA
Display elements:	Programming LED
Operating elements	Touch screen, programming button
Screen size	7.1 cm (2.8")
Ambient operating temperature:	-5 °C to +45 °C
Max. humidity:	93% relative humidity, no condensation
Environment:	The device is designed for use at elevations up to 2000 m above sea level.
IP protection rating.	IP 20
KNX connection:	two 1 mm pins for bus connecting terminal
Remote sensor connecting terminal	2x 0.14 mm^2 - 1.5 mm^2

ℹ️ Give these operating instructions to your customer to keep.

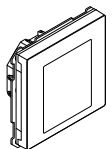## Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.

schneider-electric.com/contact

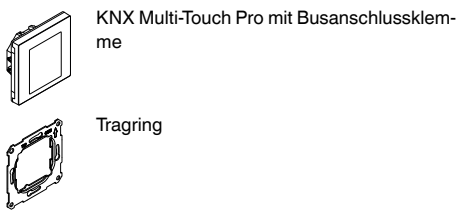# KNX Multi-Touch Pro

Gebrauchsanleitung

Art.-Nr. MTN6215-5910

Notwendiges Zubehör

– Komplettieren Sie den KNX Multi-Touch Pro mit einem System Design-Rahmen.

Zubehör

– Demontageschutz Art.-Nr. MTN6270-0000
– Fernfühler für Universal Raumtemperaturregler mit Touch-Display Art.-Nr. MTN5775-0003

Lieferumfang

KNX Multi-Touch Pro mit Busanschlussklemme

Tragring

Für Ihre Sicherheit

GEFAHR

Gefahr von schweren Sach- und Personenschäden, z. B. durch Brand oder elektrischen Schlag, aufgrund einer unsachgemäßen Elektroinstallation.

Eine sichere Elektroinstallation kann nur gewährleistet werden, wenn die handelnde Person nachweislich über Grundkenntnisse auf folgenden Gebieten verfügt:

• Anschluss an Installationsnetze
• Verbindung mehrerer Elektrogeräte
• Verlegung von Elektroleitungen
• Anschluss und Errichtung von KNX-Netzwerken

Über diese Kenntnisse und Erfahrungen verfügen in der Regel nur ausgebildete Fachkräfte im Bereich der Elektro-Installationstechnik. Bei Nichterfüllung dieser Mindestanforderungen oder Missachtung droht für Sie die persönliche Haftung bei Sach- und Personenschäden.

KNX Multi-Touch Pro kennenlernen

KNX Multi-Touch Pro ist eine KNX-Steuerungseinheit mit der Sie bis zu 32 unterschiedliche Raumfunktionen steuern können, wie z. B. Licht schalten oder dimmen, Jalousien steuern oder Szenen aufrufen. Darüber hinaus ist ein Raumtemperaturregler integriert der unterschiedliche Regelungsarten unterstützt.

Alle Funktionen werden auf einem berührungsempfindlichen Bildschirm angezeigt und mit einfachen Fingerbewegungen aufgerufen.

KNX Multi-Touch Pro besitzt einen integrierten Busankoppler; die Stromversorgung erfolgt über den KNX-Bus.

ETS-Gerätefunktionen

Die Näherungsfunktion

Bei aktivierter Näherungsfunktion wird der Startbildschirm erst dann sichtbar, wenn Sie sich KNX Multi-Touch Pro bis auf ca. 20 cm nähern. Sobald keine Näherung mehr erkannt wird, geht das Gerät nach einer bestimmten Zeit (0-600 s) wieder in den Ruhezustand.

Ⓐ Reichweite ca. 20 cm
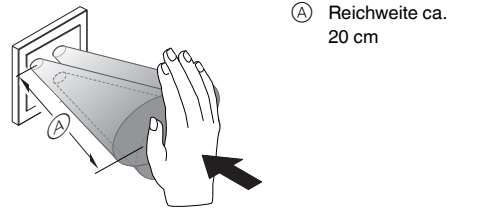
i Die Näherung wird optimal erkannt, wenn die Hand frontal auf das Gerät zubewegt wird. Die Reichweite Ⓐ kann aufgrund örtlicher Gegebenheiten (z. B. Umgebungshelligkeit) etwas schwanken.

Die Gestenfunktion

Mit eingeschalteter Gestenfunktion kann KNX Multi-Touch Pro eine Handbewegung erkennen und so eine von Ihnen festgelegte Funktion aufrufen. So lässt sich beim Betreten des Raumes über eine Geste z. B. das Licht einschalten.

Sie können zwischen 2 Gesten wählen, die das Gerät erkennt:

Geste 1: horizontale Handbewegung
Geste 2: vertikale Handbewegung

Die Geste wird in einer Entfernung von ca. 5 cm vor dem Gerät erkannt (bitte Hinweis der Näherungsfunktion beachten).

Reinigungsmodus

Wenn Sie den Reinigungsmodus aktivieren, dann erkennt der Bildschirm für 30 s - 90 s weder Berührungen noch Gesten.
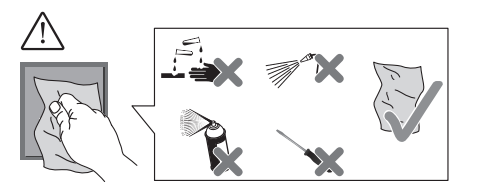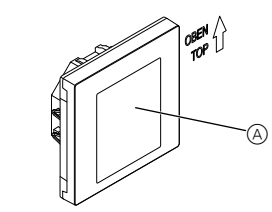
Weitere Funktionen

• Hintergrundbeleuchtung anpassen
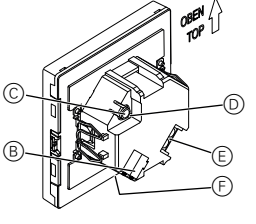• Bildschirmschoner einstellen
• Bildschirmsperre

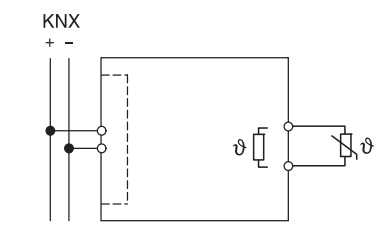## Anzeigen und Bedienelemente

Die Vorderseite

Ⓐ Berührungsempfindlicher Bildschirm

Die Rückseite

Ⓑ Busanschlussklemme und Busanschluss
Ⓒ Programmiertaster
Ⓓ Programmier-LED
Ⓔ Anschlussklemme Fernfühler
Ⓕ Service-Schnittstelle

Anschlüsse

KNX
+ –

Montageort auswählen

i **Funktionsstörung durch direkte Sonneneinstrahlung**
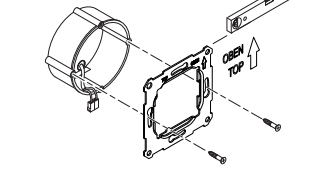Direkte Sonneneinstrahlung auf das Gerät führt ggf. dazu, dass keine Näherung mehr erkannt wird.
• Platzieren Sie das Gerät immer in Bereichen mit normalen Lichtverhältnissen.

KNX Multi-Touch Pro montieren

Montage eines Einzelgerätes

Zur Montage benötigen Sie einen Rahmen.

① Tragring mit dem Pfeil nach oben auf die Einbaudose montieren.

② Busanschluss Ⓐ:
- Rote Busader (+) an die rote Busanschlussklemme anschließen.
- Schwarze Busader (-) an die dunkelgraue Busanschlussklemme anschließen.

③ Schirm- und Beilaufdraht sowie weiße und gelbe Adern Ⓑ isolieren und in die Einbaudose legen.
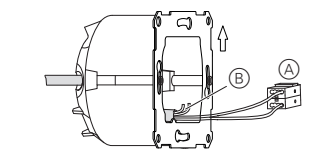
④ Optional: Fernfühler anschließen
⑤ Gerät mit unten liegendem Busanschluss in den Rahmen setzen.
⑥ Busanschlussklemme auf den Busanschluss stecken.
⑦ Gerät mit Rahmen auf den Tragring stecken und einrasten.
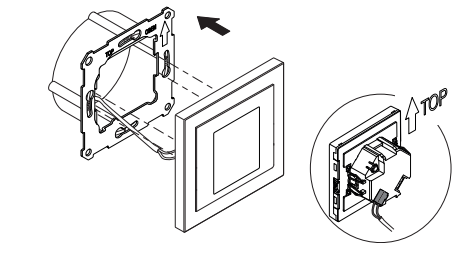
Montage einer Kombination

In Kombination mit Geräten mit 230 V-Anschluss (z. B. Steckdosen) beachten Sie zusätzlich folgende Montagehinweise.

WARNUNG
Lebensgefahr durch elektrischen Schlag. Das Gerät kann beschädigt werden.
Bei SELV-Leitungen muss die Basisisolierung zum Tragring immer gewährleistet sein.
• Beachten Sie folgende Abisolierlängen und die Leitungsverlegung.

15 mm 5 mm
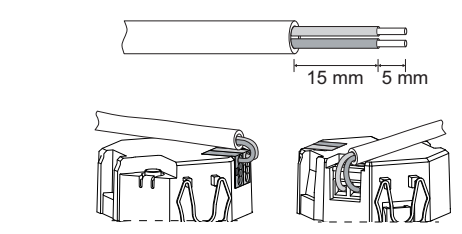
Wenn nur noch die Einzeladerisolierung zur Verfügung steht, dann müssen Sie die Basisisolierung wieder herstellen.
• Ziehen Sie einen Isolierschlauch oder den Busleitungsmantel über die Einzeladern.

Fernfühler: Montagehinweise

i Hinweise zur Montage:
• Wählen Sie den Montageort so, dass der Fernfühler die Temperatur frei messen kann.
• Verlegen Sie den Fernfühler bis zur Messaufnahme in einem Leerrohr.
• Fußbodenmontage: Verlegen Sie den Fernfühler in einem Fühlerschutzrohr, damit der Fernfühler nicht durch Fliesenkleber oder Estrich beschädigt wird.
• Die Fühlerleitung kann mit einer 2-adrigen Leitung für Netzspannung (1,5 mm^2) oder mit einer Klingelleitung verlängert werden (<10 m).
• Anzugsmoment der Schrauben: max. 0,4 Nm

i Beachten Sie die Hinweise zur Abisolierlänge und zur Leitungsverlegung im Kapitel "Montage einer Kombination".

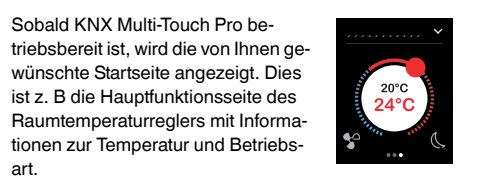## KNX Multi-Touch Pro in Betrieb nehmen

① Programmiertaste drücken.
Die Programmier-LED leuchtet.
② Physikalische Adresse und Applikation aus der ETS in das Gerät laden.
Die Programmier-LED erlischt.
Das Gerät geht für einige Sekunden in den Konfigurationsmodus. Während dieser Zeit werden Sie über das Display aufgefordert zu warten.

i Im Konfigurationsmodus wird der Näherungssensor an die örtlichen Gegebenheiten angepasst. Um ein optimales Ergebnis zu erzielen, darf das Gerät in dieser Zeit keine Bewegungen registrieren. Anderenfalls beginnt die Konfiguration immer wieder von neuem oder das Ergebnis wird verfälscht.

Die Benutzeroberfläche in Kürze

Sobald KNX Multi-Touch Pro betriebsbereit ist, wird die von Ihnen gewünschte Startseite angezeigt. Dies ist z. B die Hauptfunktionsseite des Raumtemperaturreglers mit Informationen zur Temperatur und Betriebsart.

20°C
24°C

Streichen Sie nach rechts oder links und Sie gelangen auf weitere maximal 7 Hauptfunktionsseiten und auf die Allgemeinen Einstellungen.

Jeder Hauptfunktionsseite stehen maximal bis zu 3 Unterfunktionsseiten zur Verfügung auf denen Sie z. B. die Lamellenposition oder die Schaltuhr einstellen.
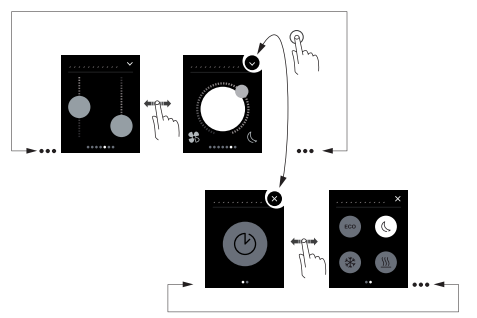
So navigieren Sie durch das Menü

In den Allgemeinen Einstellungen machen Sie generelle Angaben zum Bildschirmschoner, der Näherungsfunktion oder der Gestenfunktion.

So bedienen Sie

Streichen rechts/links: zwischen den Funktionsseiten wechseln

Tippen: zwischen Hauptfunktionsseite und Unterfunktionsseite springen, Funktionen aufrufen, Werte einstellen

Streichen kreisförmig, Streichen rauf/runter: Wertebereiche durchfahren, Werte aufrufen.

Tippen und halten: Spezielle Funktionen aufrufen wie z. B. Szenen speichern oder Jalousie fahren.

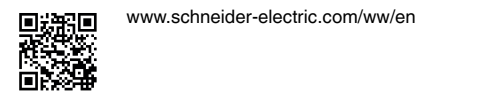## Die Darstellung der Raumfunktionen

Ihre Raumfunktionen können Sie in unterschiedlichen Designs darstellen.

Im folgenden Beispiel wird die Funktion "Jalousie fahren und Lamellen schrittweise verstellen" in den 3 Designs gezeigt.

1. 2. 3.
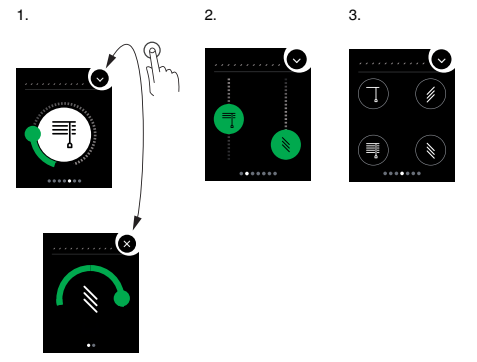
Die Anleitung zum Menü

Die komplette Anleitung zum Menü finden Sie hier zum Download.

www.schneider-electric.com/ww/en

Kundenspezifische Anpassungen

Wenn Sie Farben und Symbole der Benutzeroberfläche anpassen möchten, dann wenden Sie sich an Ihr Customer Care Center von Schneider Electric.

www.schneider-electric.com

Technische Daten

Versorgung aus KNX:	DC 24 V, ca. 28 mA
Anzeigeelemente:	Programmier-LED
Bedienelemente:	berührungsempfindlicher Bildschirm, Programmiertaster
Größe Bildschirm:	7,1 cm (2,8")
Umgebungstemperatur Betrieb:	-5 °C bis +45 °C
Max. Feuchtigkeit:	93 % relative Feuchtigkeit, keine Betauung
Umgebung:	Das Gerät ist für eine Einsatzhöhe bis 2000 m über Meeresspiegel (MSL) ausgelegt.
Schutzart:	IP 20
Anschluss KNX:	zwei 1 mm-Stifte für Busanschlussklemme
Anschlussklemme Fernfühler:	2x 0,14 mm^2 - 1,5 mm^2

i Übergeben Sie diese Gebrauchsanleitung zur dauerhaften Aufbewahrung an Ihren Kunden.
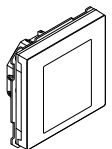
Schneider Electric Industries SAS

Bei technischen Fragen wenden Sie sich bitte an das Customer Care Centre in Ihrem Land.

schneider-electric.com/contact

Commande multiTouch KNX Pro

Notice d'utilisation

Art. no. MTN6215-5910

Accessoires nécessaires

– Complétez la commande multiTouch KNX Pro avec un cadre System Design.

Accessoires

– Protection de désassemblage, réf. MTN6270-0000
– Télécapteur pour thermostat d'ambiance universel avec écran tactile, réf. MTN5775-0003

Contenu de la livraison

Commande multiTouch KNX PRO avec borne de raccordement de bus

Bague de support

Pour votre sécurité

⚠ **DANGER**

Risque de graves dommages matériels et de blessures corporelles sérieuses dus, par exemple, au feu ou à un choc électrique ayant pour origine des installations électriques incorrectes.

Seule une personne justifiant de connaissances de base dans les domaines suivants peut assurer des installations électriques sécurisées :

• Raccordement aux réseaux d'installation
• Raccordement de différents appareils électriques
• Pose de câbles électriques
• Connexion et établissement de réseaux électriques KNX

Seuls les professionnels compétents ayant été formés dans le domaine de la technologie des installations électriques possèdent, en règle générale, ces compétences et cette expérience. Si ces conditions minimum ne sont pas remplies ou si elles sont ignorées d'une manière ou d'une autre, vous serez entièrement responsable en cas de dommages sur des biens ou de dommages corporels.

Se familiariser avec la commande multiTouch KNX Pro

Le multiTouch KNX Pro est une unité de commande KNX avec laquelle vous pouvez commander jusqu'à 32 fonctions pièce différentes, telles que allumage ou gradation de la lumière, commande des stores ou appel de scénarios. En outre, il possède un régulateur de température ambiante intégré qui prend en charge différents types de contrôle.

Toutes les fonctions sont affichées sur un écran tactile et sont appelées par des mouvements simples du doigt.

Le multiTouch KNX Pro a un coupleur de bus intégré et son alimentation est fournie par le bus KNX.

Fonctions de l'appareil ETS

La détection de proximité

Lorsque la détection de proximité est active, l'écran d'accueil est visible seulement lorsque vous approchez à environ 20 cm du multiTouch KNX Pro. Dès qu'aucun mouvement vers l'appareil n'est plus détecté, il retourne en mode veille après un certain temps (0 à 600 s).
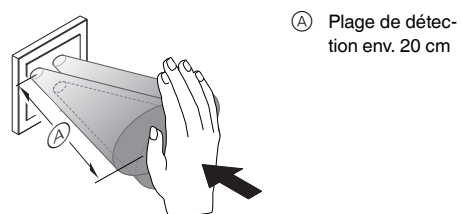
Ⓐ Plage de détection env. 20 cm

ℹ Pour détecter au mieux la proximité, bougez la paume de la main sur le devant, en direction de l'appareil. La plage Ⓐ peut varier légèrement en raison des facteurs environnementaux (luminosité ambiante, p. ex.).

La commande par geste

Si la commande par geste est activée, le multiTouch KNX Pro peut détecter un mouvement de main et ainsi appeler une fonction que vous avez définie. Ainsi, la lumière peut être allumée par un geste lorsque vous pénétrez dans la pièce, par exemple.

Vous avez le choix entre 2 gestes que l'appareil reconnaît :

Geste 1 : mouvement de main horizontal

Geste 2 : mouvement de main vertical

Le geste est détecté à une distance d'env. 5 cm devant l'appareil (veuillez vous reporter aux informations sur la détection de proximité).

Mode nettoyage

Si vous activez le mode nettoyage, l'écran ne détecte ni le toucher, ni les gestes pendant 30 à 90 s.
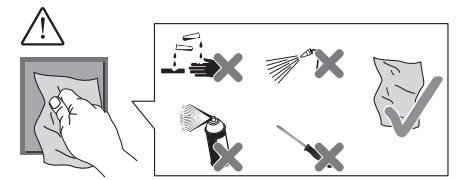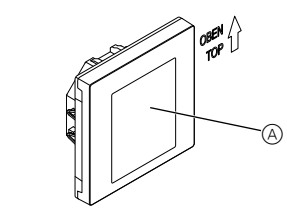
Fonctions supplémentaires

• Réglage de l'éclairage de fond
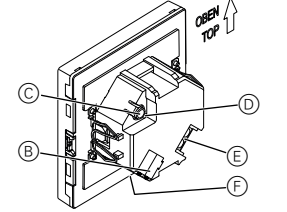• Réglage de l'écran de veille
• Verrouillage d'écran

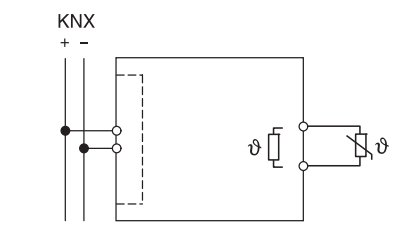### Affichages et éléments de commande

L'avant

Ⓐ Écran tactile

L'arrière

Ⓑ Borne de raccordement de bus et connexion de bus
Ⓒ Touche de programmation
Ⓓ DEL de programmation
Ⓔ Borne de raccordement du télécapteur
Ⓕ Interface maintenance

Connexions

KNX
+ –

Choisir le site d'installation

ℹ **Erreur de fonctionnement due à la lumière directe du soleil**

Le fait que l'appareil soit soumis à la lumière directe du soleil peut empêcher la détection de proximité dans certains cas.
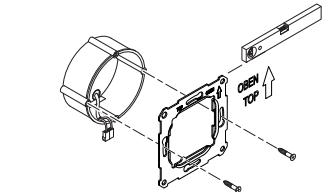
• Toujours placer l'appareil dans des zones sans lumière directe du soleil.

Installation de la commande multiTouch KNX Pro

#### Installation d'un appareil individuel

Un cadre est nécessaire pour l'installation.

① Fixez la bague de support sur la boîte d'encastrement avec les flèches orientées vers le haut.

② Connexion bus Ⓐ :
- Raccordez le câble de bus rouge (+) à la borne de raccordement de bus rouge.
- Raccordez le câble de bus noir (-) à la borne de raccordement de bus gris foncé.

③ Isolez le fil d'écran et de stabilité ainsi que les câbles blanc et jaune Ⓑ, puis insérez-les dans la boîte d'encastrement.
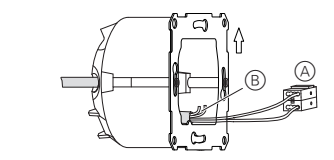
④ En option : Raccordement du télécapteur
⑤ Placez l'appareil dans le cadre avec la connexion de bus à la base.
⑥ Raccordez la borne de raccordement de bus à la connexion de bus.
⑦ Insérez l'appareil avec le cadre dans la bague de support et encliquetez l'ensemble.
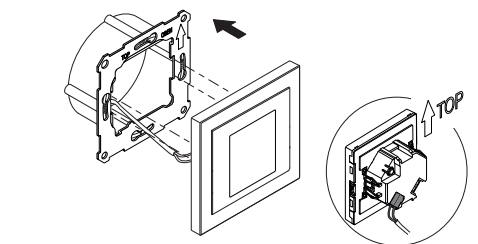
Installation d'une combinaison

Observez les instructions de montage complémentaires suivantes lorsque vous installez des appareils en association avec une connexion 230 V (p. ex. des prises).

⚠ **AVERTISSEMENT**

Risque de blessures mortelles dû à un choc électrique. Risque d'endommagement de l'appareil.

Pour les câbles SELV, garantissez toujours une isolation de base vers la bague de retenue.

• Respectez les longueurs de dénudage suivantes et les instructions sur la pose de câbles.

15 mm   5 mm
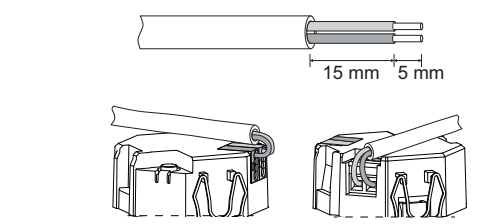
Si seule une isolation à brin unique est disponible, rétablissez une isolation de base.

• Tirez une gaine isolante ou le manteau du câble bus sur chaque brin.

Télécapteur : Instructions de montage

ℹ Remarques au sujet de l'installation :

• Choisissez un lieu d'installation qui permette au télécapteur de mesurer librement la température.
• Placez le télécapteur dans un tube vide aussi éloigné que l'entrée de mesure.
• Installation au sol : Placez le télécapteur dans un tube de protection du capteur pour qu'il ne soit pas endommagé par du ciment de carrelage ou de la chape.
• La ligne de capteur peut être prolongée au moyen d'un câble à 2 fils pour la tension de secteur (1,5 mm²) ou d'un câble de sonnerie (<10 m).
• Couple de serrage des vis : 0,4 Nm max.

ℹ Respectez les instructions sur les longueurs de dénudage et la pose de câbles du chapitre « Installation d'une combinaison ».

Mise en service de la commande multiTouch KNX Pro

① Appuyez sur la touche de programmation.

la LED de programmation s'allume.

② Chargez l'adresse physique et l'application dans l'appareil à partir de l'ETS.

la LED de programmation s'éteint.

L'appareil entre en mode configuration pour quelques secondes. Pendant ce temps, un message apparaît sur l'écran, vous demandant d'attendre.

ℹ Le capteur de proximité est adapté aux conditions spécifiques en mode configuration. Pour obtenir les meilleurs résultats, l'appareil ne peut alors pas enregistrer les mouvements pendant ce délai. Sinon, la configuration recommencera depuis le début à plusieurs reprises ou le résultat sera faussé.

L'interface utilisateur en bref

Dès que la commande multiTouch KNX Pro est prête à fonctionner, l'écran d'accueil que vous avez sélectionné s'affiche. Cela peut être, par exemple, l'écran fonction principal de l'unité de contrôle de température ambiante avec des informations sur la température et le mode de fonctionnement.

Effleurer vers la droite ou la gauche pour accéder aux 7 autres écrans de fonction principale et aux réglages généraux.

Chaque écran de fonction principale a accès à 3 écrans de sous-fonction sur la plupart desquels vous pouvez régler la position des lamelles ou la minuterie, par exemple.
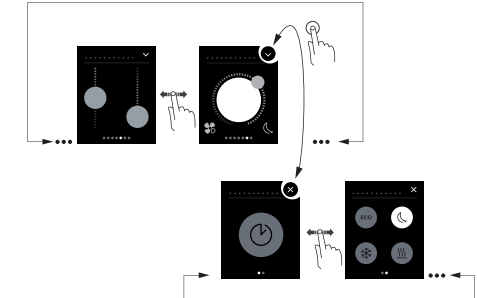
Comment naviguer à travers le menu

Dans les réglages généraux, vous définissez les réglages généraux pour l'écran de veille, la détection de proximité ou la commande par geste.

Comment opérer

Effleurer droite/gauche : commute entre les écrans fonction

Toucher : saute entre l'écran fonction principal et l'écran sous-fonction, appelle les fonctions, règle les valeurs

Effleurer en cercle, effleurer haut/bas : défile entre les plages de valeurs, appelle les valeurs

Toucher-maintenir : appelle les fonctions spéciales telles que l'enregistrement de scénarios ou le déplacement des stores.
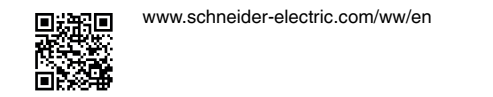
Vue des fonctions pièce

Vous pouvez afficher vos fonctions pièce selon différents profils.

Dans l'exemple suivant, la fonction « Déplacer le store et ajuster les lamelles progressivement » est illustrée dans les 3 profils.

1.   2.   3.
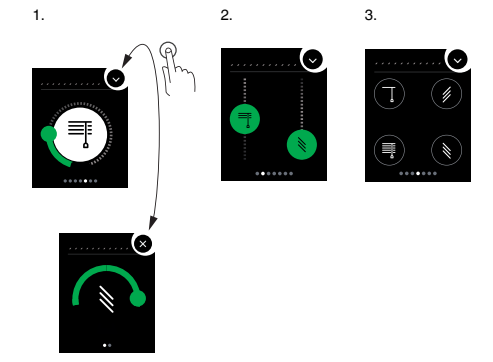
Instructions de menu

Les instructions de menu complètes peuvent être téléchargées ici.

www.schneider-electric.com/ww/en

Adaptations personnalisées

Si vous désirez ajuster couleurs et symboles sur l'interface utilisateur, veuillez contacter le service d'assistance client Schneider Electric.

www.schneider-electric.com

Caractéristiques techniques

Alimentation électrique fournie par KNX :	24 V CC, 28 mA env.
Éléments d'affichage :	DEL de programmation
Éléments de commande	Écran tactile, touche de programmation
Taille de l'écran	7,1 cm (2.8")
Température ambiante de fonctionnement :	-5 °C à +45 °C
Humidité max. :	93% d'humidité relative, pas de condensation
Environnement :	L'appareil est conçu pour une utilisation à une altitude pouvant atteindre 2 000 m au-dessus du niveau de la mer.
Indice de protection IP :	IP 20
Connexion KNX :	deux broches de 1 mm pour la borne de raccordement de bus
Borne de raccordement du télécapteur :	2x 0,14 mm² - 1,5 mm²

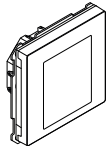ℹ Remettez ce mode d'emploi à votre client qui le conservera.

Schneider Electric Industries SAS

En cas de questions techniques, veuillez contacter le Support Clients de votre pays.

schneider-electric.com/contact

Multitouch KNX Pro

Istruzioni di servizio

Art. no. MTN6215-5910

Accessori necessari

– Completare il dispositivo Multitouch KNX Pro con una cornice System Design.

Accessori

– Smontaggio protezione art. n. MTN6270-0000
– Sensore remoto regolatore temp. ambiente universale con display a sfioramento art. n. MTN5775-0003

Fornitura

Multitouch KNX Pro con morsetto di connessione bus

Anello di supporto

Per la vostra sicurezza

⚡ **PERICOLO**
Sussiste il rischio di gravi danni a beni e lesioni personali, ad es. a causa di fiamme o scosse elettriche, riconducibili a un'errata installazione elettrica.

Un'installazione elettrica sicura può essere garantita solo se il tecnico addetto all'installazione dimostra di possedere competenze di base nei seguenti campi:

• Collegamento di impianti elettrici
• Collegamento di molteplici dispositivi elettrici
• Posa di cavi elettrici
• Collegamento e realizzazione di reti KNX

Tutte le suddette competenze ed esperienze sono di solito possedute solo da professionisti qualificati che hanno ricevuto una formazione nel campo della tecnologia delle installazioni elettriche. Nel caso in cui questi requisiti essenziali non siano soddisfatti o rispettati in qualsiasi modo, la persona in questione sarà la sola a essere ritenuta responsabile di ogni tipo di danno a beni o di lesioni personali.

Descrizione del Multitouch KNX Pro

Il KNX Multi-Touch Pro è un regolatore KNX che vi consente di controllare fino a 32 diverse funzioni ambiente, come accendere o smorzare le luci, controllare le tende alla veneziana o richiamare scene. Inoltre dispone di un regolatore temperatura ambiente integrato che supporta diversi tipi di controllo.

Tutte le funzioni sono visualizzate su uno schermo sensibile al tocco e vengono richiamate usando semplici movimenti delle dita.

Il KNX Multi-Touch Pro dispone di un accoppiatore bus integrato ed è alimentato attraverso il bus KNX.

Funzioni ETS del dispositivo

La funzione di prossimità

Quando la funzione di prossimità è attiva, la schermata iniziale è solo visibile avvicinandosi entro circa 20 cm dal Multitouch KNX Pro. Non appena non viene più rilevato alcun movimento in direzione del dispositivo, torna in modalità standby dopo un determinato periodo (0-600 s).
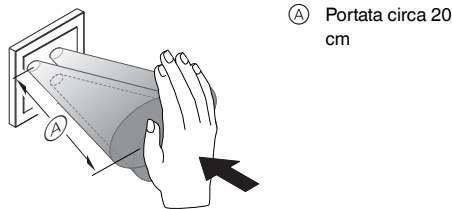
(A) Portata circa 20 cm

ℹ️ La portata viene rilevata in modo ottimale spostando il palmo della mano frontalmente verso il dispositivo. Il campo (A) può fluttuare leggermente a causa di fattori ambientali (es. Luminosità ambientale).

La funzione dei gesti

Quando la funzione dei gesti è attivata, il KNX Multi-Touch Pro è in grado di rilevare un movimento della mano e quindi richiamare una funzione che avete definito. In questo modo è ad esempio possibile accendere la luce con un gesto quando entrate nella stanza.

È possibile scegliere tra 2 gesti che il dispositivo riconosce:

Gesto 1: movimento orizzontale della mano
Gesto 2: movimento verticale della mano

Il gesto viene rilevato a una distanza di circa 5 cm di fronte al dispositivo (fare riferimento alle informazioni sulla funzione di prossimità).

Modalità di pulizia

Attivando la modalità di pulizia, lo schermo non rileva tocchi o gesti per 30 s - 90 s.
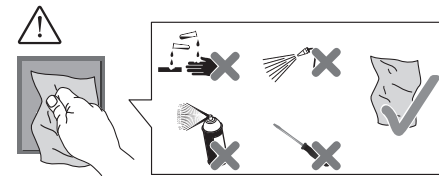
Funzioni supplementari

• Regolazione della retroilluminazione
• Impostazione del salvaschermo
• Blocco dello schermo

Indicatori ed elementi di comando

Il fronte
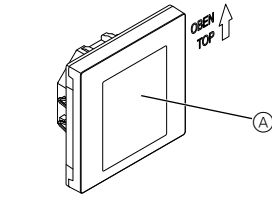
(A) Touch screen

Il retro
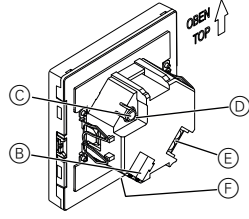
(B) Morsetto di collegamento bus e collegamento bus.
(C) Pulsante di programmazione
(D) LED di programmazione
(E) Morsetto di collegamento sensore remoto
(F) Interfaccia servizio

Collegamenti

KNX
+ –
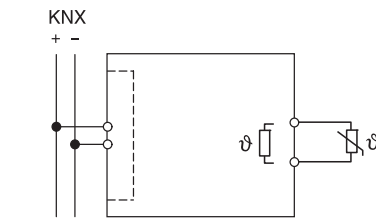
Scelta del punto di montaggio

ℹ️ **Errore di funzionamento dovuto a luce solare diretta**
La luce solare diretta sul dispositivo può impedire di individuare la prossimità in determinati casi.
• Posizionare sempre il dispositivo in aree con condizioni di luce normale.

Installazione del Multitouch KNX Pro

#### Installazione di un dispositivo

Per l'installazione è necessaria una cornice.

① Collegare l'anello di supporto B sulla scatola di montaggio con la freccia che punta verso l'alto.
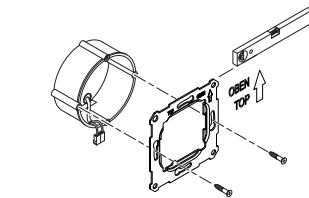
② Collegamento al bus (A):
- Collegare il conduttore rosso bus (+) al morsetto bus rosso.
- Collegare il conduttore bus nero (+) al morsetto bus grigio scuro.

③ Isolare lo schermo e il filo di continuità così come i conduttori (B) bianco e giallo e inserirli nella scatola di montaggio.
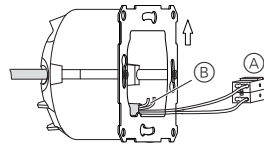
④ Opzionalmente: Collegamento del sensore remoto
⑤ Collocare il dispositivo con la connessione bus alla base nella cornice.
⑥ Collegare il morsetto di collegamento bus al collegamento bus.
⑦ Inserire il dispositivo con la cornice nell'anello di supporto e innestare in posizione.
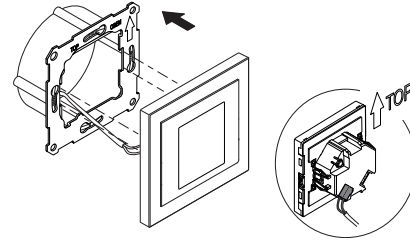

Installazione di una combinazione

Osservare le seguenti istruzioni di installazione supplementari in caso di installazione di dispositivi con una connessione di 230 V (ad es. prese).

⚡ **AVVERTENZA**
Rischio di lesioni mortali per scossa elettrica. Rischio di danneggiare l'apparecchio.
L'isolamento di base all'anello di ritegno deve essere sempre garantito per cavi SELV.
• Osservare le seguenti lunghezze isolanti di spellatura e le istruzioni sui cavi riposti.

15 mm | 5 mm
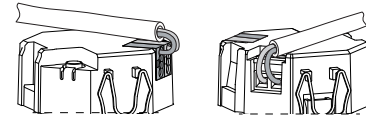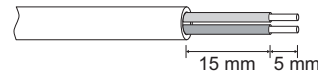
Se è disponibile l'isolamento di un solo filo, ripristinare l'isolamento di base.
• Estrarre il tubetto isolante o il cavo bus che copre i singoli fili.

Sensore remoto: istruzioni d'installazione

ℹ️ Note sull'installazione:
• Selezionare un punto di montaggio che consenta al sensore remoto di misurare liberamente la temperatura.
• Posare il sensore remoto in un tubo vuoto fino all'ingresso di misurazione.
• Installazione a pavimento: Posare il sensore remoto in un tubo di protezione in modo che il sensore remoto non venga danneggiato dall'adesivo per piastrelle o dal massetto.
• La linea del sensore può essere estesa con un cavo a 2 conduttori per la tensione di rete (1,5 mm²) o con un cavo da campanello (<10 m).
• Coppia di serraggio delle viti: max. 0,4 Nm

ℹ️ Osservare le istruzioni sulla lunghezza isolante di spellatura e sui cavi riposti nel capitolo "Installazione di una combinazione".

Messa in funzione del Multitouch KNX Pro

① Premere il pulsante di programmazione.
Si accende il LED di programmazione.
② Caricare l'indirizzo di memoria fisica e l'applicazione nell'apparecchio dall'ETS.
Si spegne il LED di programmazione.
Il dispositivo entra per alcuni secondi nella modalità di configurazione. Durante questo periodo, sul display appare un messaggio chiedendovi di attendere.

ℹ️ L'interruttore di prossimità è adattato alle circostanze specifiche nella modalità di configurazione. Per ottenere un risultato ottimale, al dispositivo non è consentito registrare movimenti durante questo periodo. Altrimenti la configurazione continuerà a ripartire dall'inizio o il risultato sarà falsificato.

L'interfaccia utente in breve

Non appena il Multitouch KNX Pro è pronto per funzionare, verrà visualizzata la schermata iniziale che avete scelto. Questa è per esempio la schermata di funzione principale del regolatore temperatura ambiente con informazioni sulla temperatura e sulla modalità operativa.

Scorrere con il dito verso destra o sinistra per accedere a un massimo di 7 ulteriori schermate di funzione principali e alle Impostazioni Generali.

Ciascuna schermata di funzione generale dà accesso a un massimo di 3 schermate di funzione secondaria sulle quali è ad esempio possibile impostare la posizione delle lamelle o l'interruttore a tempo.
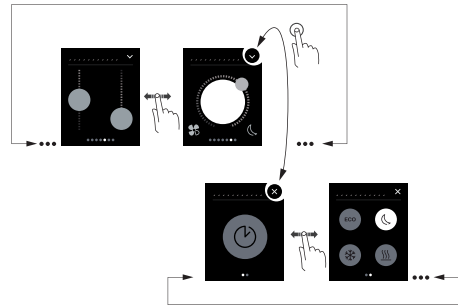
Navigazione attraverso il menu

Nelle Impostazioni Generali è possibile definire le impostazioni per il salvaschermo, la funzione di prossimità o la funzione dei gesti.

Messa in funzione

Scorrimento da destra a sinistra: commutare tra le schermate di funzione

Tocco: saltare tra la schermata di funzione principale e la schermata di funzione secondaria, richiamare funzioni, impostare valori

Strumento ruota, scorrimento dall'alto verso il basso: spostarsi tra le gamme di valori, richiamare valori.

Tocco e pressione prolungata: richiamare funzioni speciali come salvare schermate o azionare tende alla veneziana.
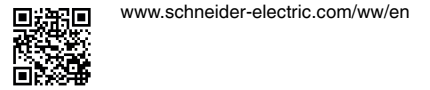
Vista delle funzioni ambiente

Potete visualizzare le vostre funzioni ambiente in diversi design.

Nell'esempio seguente, la funzione "Azionare la tenda alla veneziana e regolare gradualmente le lamelle" è visualizzata nei 3 design.

1.   2.   3.
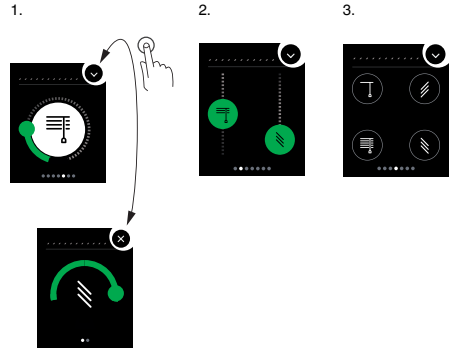
Istruzioni del menu

Le istruzioni complete del menu possono essere scaricate qui.

www.schneider-electric.com/ww/en

Adattamenti in base alle esigenze dei clienti

Se desiderate adeguare i colori e i simboli sull'interfaccia utente, contattate il vostro centro di assistenza clienti Schneider Electric.

www.schneider-electric.com

Dati tecnici

Alimentazione dal KNX:	24 V CC, circa 28 mA
Elementi di controllo:	LED di programmazione
Elementi di comando	Touch-screen pulsante di programmazione
Dimensione schermo	7,1 cm (2,8")
Temperatura ambiente di funzionamento:	da -5 °C a +45 °C
Umidità max.:	93% umidità relativa, senza condensazione
Ambiente:	l'apparecchio è progettato per essere impiegato fino a 2000 m sul livello del mare.
Grado di protezione IP.	IP 20
Collegamento KNX:	due contatti da 1 mm per il morsetto bus
Morsetto di collegamento sensore remoto:	2x 0,14 mm² - 1,5 mm²

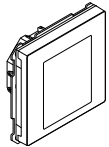ℹ️ Consegnare queste istruzioni d'uso al cliente da conservare.

Schneider Electric Industries SAS

In caso di domande tecniche si prega di contattare il Centro Servizio Clienti del proprio paese.

schneider-electric.com/contact

Schneider Electric

KNX-multitouch Pro

Gebruiksaanwijzing

Art. no. MTN6215-5910

Benodigde accessoires

– Voltooi de KNX-multitouch Pro met een System Design-frame.

Accessoires

– Ontmantelbescherming art. nr. MTN6270-0000
– Sensor op afstand voor universele ruimte-temperatuurregelaar met touchdisplay art.nr. MTN5775-0003

Inhoud van de levering

KNX-multitouch Pro met busaansluitklem

Borgring

Voor uw veiligheid

GEVAAR

Gevaar voor ernstige materiële schade en persoonlijk letsel, bijv. door brand of elektrische schok, veroorzaakt door incorrecte elektrische aansluiting.

De veiligheid van de elektrische aansluiting kan alleen worden gewaarborgd als de desbetreffende persoon over fundamentele kennis van de volgende gebieden beschikt:

• Aansluiten op elektriciteitsnetwerken
• Aansluiten van meerdere elektrische apparaten
• Leggen van elektrische leidingen
• Aansluiten en tot stand brengen van KNX-netwerken

In de regel beschikken alleen opgeleide vaklieden op het gebied van elektrische installatietechniek over deze vaardigheden en ervaring. Als aan deze minimumvereisten niet wordt voldaan of deze op welke manier dan ook worden veronachtzaamd, bent u als enige aansprakelijk voor materiële schade of persoonlijk letsel.

Kennismaken met de KNX-multitouch Pro

De KKNX-multitouch Pro is een KNX-regelaar waarmee u maximaal 32 verschillende kamerfuncties kunt regelen, bijv. schakelen of licht dimmen, jaloezieën regelen of scènes oproepen. Bovendien bevat deze een geïntegreerde kamertemperatuurregelaar die verschillende typen regeling ondersteunt.

Alle functies worden weergegeven op een aanraakscherm en worden opgeroepen met eenvoudige vingerbewegingen.

De KNX-multitouch Pro heeft een geïntegreerde buskoppeling en wordt gevoed via de KNX-bus.

Functies ETS-apparaat

De naderingsfunctie

Als de naderingsfunctie actief is, is het startscherm alleen zichtbaar als u de KNX-multitouch Pro binnen een afstand van ong. 20 cm nadert. Zodra er geen verdere beweging in de richting van het apparaat wordt gedetecteerd, schakelt het na een bepaalde tijd (0-600 s) terug in de stand-bymodus.
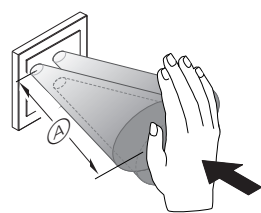
Ⓐ Bereik ong. 20 cm

ℹ️ Naderingsdetectie is optimaal als de hand frontaal naar het apparaat toe wordt bewogen. Het bereik Ⓐ kan enigszins variëren vanwege plaatselijke omstandigheden (bijv. omgevingslicht).

De handgebaarfunctie

Als de handgebaarfunctie is ingeschakeld, detecteert de KNX-multitouch Pro handbewegingen en zodoende een door u gedefinieerde functie oproepen. Op die manier kan bijvoorbeeld als u de kamer binnenloopt het licht met een handgebaar worden ingeschakeld.

U kunt kiezen tussen 2 gebaren die het apparaat herkent:

Gebaar 1: Horizontale handbeweging

Gebaar 2: Verticale handbeweging

Het handgebaar wordt op een afstand van ongeveer 5 cm van de voorkant van het apparaat gedetecteerd (raadpleeg de informatie over de naderingsfunctie).

Reinigingsmodus

Als u reinigingsmodus activeert, detecteert het scherm 30 s - 90 s lang geen aanrakingen of gebaren.
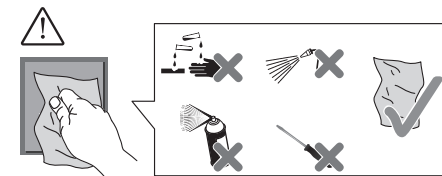
Aanvullende functies

• De displayverlichting aanpassen
• De screensaver instellen
• Schermvergrendeling

Displays en bedieningselementen

De voorkant
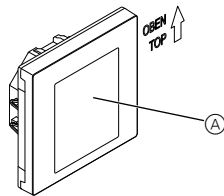
Ⓐ Aanraakscherm

De achterkant
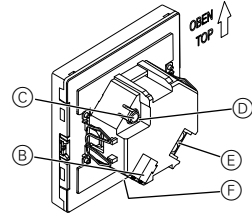
Ⓑ Busaansluitklem en busaansluiting
Ⓒ Programmeerknop
Ⓓ Programmeerled
Ⓔ Aansluitklem externe sensor
Ⓕ Service-interface

Aansluitingen

KNX
+ –
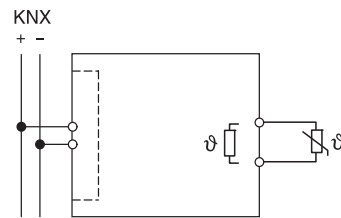
De montagelocatie kiezen

ℹ️ **Functiefout door direct zonlicht**
Als zonlicht direct op het apparaat valt, kan de afstand in bepaalde gevallen niet worden gedetecteerd.

• Plaats het apparaat steeds in gebieden met normale lichtomstandigheden.

De KNX-multitouch Pro installeren

Een individueel apparaat installeren

Voor installatie is een frame vereist.

① Bevestig de borgring op de inbouwdoos met de pijlen omhoog.
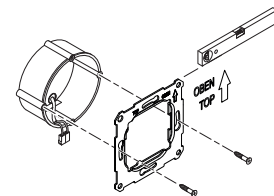
② Busaansluiting Ⓐ:
- Sluit de rode busader (+) aan op de rode busaansluitklem.
- Sluit de zwarte busader (+) aan op de donkergrijze busaansluitklem.

③ Isoleer de scherm- en merkdraad en de witte en gele aders Ⓑ en breng ze onder in de montagekast.
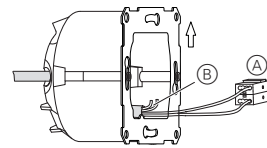
④ Optioneel: De externe sensor aansluiten
⑤ Plaats het apparaat met de busaansluiting onder in het frame.
⑥ Sluit de busaansluitklem aan op de busaansluiting.
⑦ Breng het apparaat samen met het frame in de borgring en klik deze vast op zijn plaats.
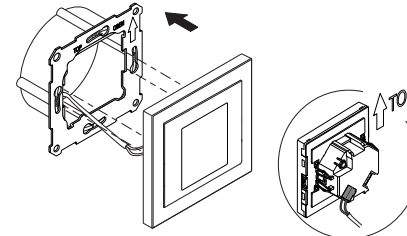
Een combinatie installeren

Raadpleeg de volgende extra instructies voor de installatie als u apparaten samen met een 230V-aansluiting (bijv. contactdozen) installeert.

⚡ **WAARSCHUWING**
Levensgevaar door elektrische schok. Het apparaat kan beschadigd raken.

Basisisolatie naar de borgring moet voor SELV-kabels steeds aanwezig zijn.

• Respecteer de volgende striplengtes voor de isolaties en de instructies voor het leggen van kabels.

15 mm   5 mm
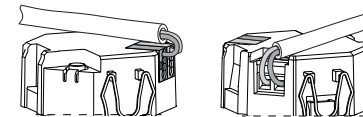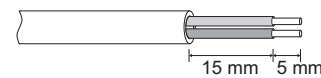
Als alleen eendraadse isolatie beschikbaar is, moet u de basisisolatie herstellen.

• Trek een isolatiehuls of de buskabelmantel over de individuele draden.

Externe sensor: Instructies voor installatie

ℹ️ Opmerkingen over installatie:
• Kies voor de installatie een locatie uit waar de externe sensor niet wordt gehinderd om de temperatuur te meten.
• Leg de externe sensor in een lege buis tot aan het meetpunt.
• Vloerinstallatie: Leg de externe sensor in een sensorbeschermbuis zodat de externe sensor niet door tegelcement of plakspaan wordt beschadigd.
• De sensorlijn kan worden verlengd met een 2-aderige kabel voor netspanning (1,5 mm^2) of met een schelledraad (<10 m).
• Aanhaalmoment: max. 0,4 Nm

ℹ️ Raadpleeg de instructies voor de striplengte van de isolatie en voor het leggen van kabels in het hoofdstuk "Een combinatie installeren".

De KNX-multitouch Pro in gebruik nemen

① Druk op de programmeertoets.
De programmeerled gaat branden.
② Lees het fysieke adres en de toepassing uit de ETS in het apparaat.
De programmeerled gaat uit.
Het apparaat schakelt een paar seconden in de configuratiemodus. Gedurende deze periode verschijnt er op het display een melding waarin u wordt gevraagd om te wachten.

ℹ️ De naderingssensor wordt in de configuratiemodus aangepast aan de specifieke omstandigheden. Voor een optimaal resultaat mag het apparaat gedurende deze periode geen bewegingen detecteren. Als dit wel gebeurt, dan blijft de configuratie telkens weer opnieuw opstarten of zal het resultaat niet correct zijn.

Beknopte uitleg van de gebruikersinterface

Zodra de KNX-multitouch Pro klaar is voor gebruik, wordt het door u gekozen startscherm weergegeven. Dit is bijvoorbeeld het hoofdfunctiescherm van de kamertemperatuurregelaar met informatie over temperatuur en gebruiksmodus.

Veeg naar links of rechts voor toegang tot maximaal 7 andere hoofdfunctieschermen en de algemene instellingen

Elk hoofdfunctiescherm geeft toegang tot maximaal 3 subfunctieschermen, waarop u bijvoorbeeld de latpositie of de tijdklokschakelaar kunt instellen.
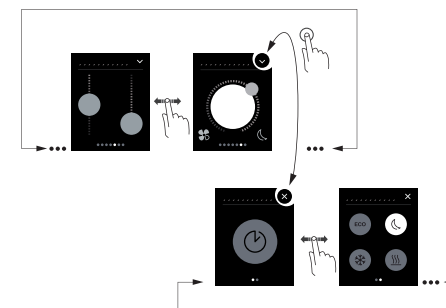
Door het menu navigeren

In de Algemene instellingen definieert u algemene instellingen voor de screensaver, de naderingsfunctie of de handbewegingsfunctie.

Gebruiksinstructies

👆 Naar rechts/links vegen Wisselen tussen de functieschermen

👆 Aantikken: Springen tussen het het hoofdfunctiescherm en subfunctiescherm, functies oproepen, waarden instellen

👆 In cirkelbeweging vegen, omhoog/omlaag vegen Door de waardebereiken lopen, waarden oproepen

👆 Aantikken en ingedrukt houden: Speciale functies oproepen, zoals scènes opslaan of jaloezieën bedienen

Weergave van de kamerfuncties

U kunt uw kamerfuncties in verschillende ontwerpen weergeven.

In het volgende voorbeeld wordt de functie "Jaloezie bewegen en latten langzamerhand in positie brengen" in de 3 ontwerpen getoond:

1.   2.   3.
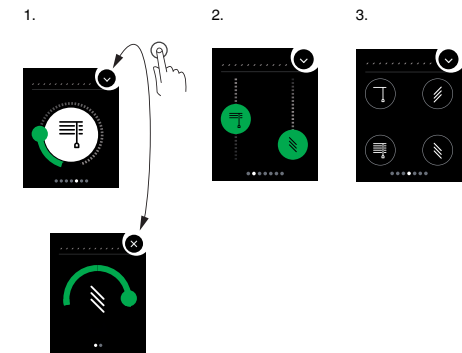
Menu-instructies

De complete menu-instructies kunnen hier worden gedownload.

www.schneider-electric.com/ww/en

Klantspecifieke aanpassingen

Neem contact op met het Schneider Electric Customer Care Center als u kleuren en symbolen op de gebruikersinterface wilt aanpassen.

www.schneider-electric.com

Technische gegevens

Voeding vanuit KNX:	DC 24 V / ongeveer 28 mA
Displayelementen:	Programmeerled
Bedieningselementen	Aanraakscherm, programmeerknop
Displaygrootte	◩ 7,1 cm (2,8")
Omgevingstemperatuur tijdens het bedrijf:	-5 °C tot +45 °C
Max. luchtvochtigheid:	93% relatieve luchtvochtigheid, niet-condenserend
Omgeving:	Het apparaat is ontworpen voor gebruik tot 2000 m boven de zeespiegel.
Beschermingsgraad IP.	IP 20
KNX-aansluiting:	twee 1 mm-pennen voor busaansluitklem
Aansluitklem externe sensor:	2x 0,14 mm^2 - 1,5 mm^2

ℹ️ Geef deze gebruiksinstructies mee aan de klant.

Schneider Electric Industries SAS

Neem bij technische vragen contact op met de klantenservice in uw land.

schneider-electric.com/contact
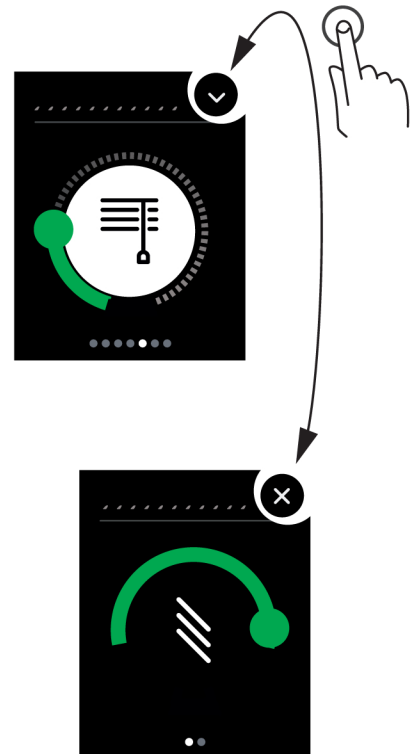
V6215-742-00 01/17

KNX Multitouch Pro

Menu of the KNX Multitouch Pro

User manual

This document describes how to operate the user interface of the KNX Multitouch Pro.

MTN6215-0310 | MTN6215-5910 | MTN6216-5910

10/2017

Schneider Electric

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Notes

Read through the following instructions carefully and familiarise yourself with the device prior to operation.

> **NOTE**
>
> **NOTE** provides information about procedures that do not present any risk of material damage.

Further information

You will find additional information here to make your work easier.

Depictions in this document

Style and text features used

Text features used

Depiction	Meaning
Operation section	Cross-references
	Symbol for operation in the user interface (Symbols --> 26)
	Symbol in the user interface (Symbols --> 26)

Table of contents

1 Familiarising yourself with the user interface

This section provides an overview of the screen pages of the KNX Multitouch Pro. You can use the screen pages to activate room functions, read information and adjust general settings. You can navigate from room function to room function, and from each room function to its sub functions. You can activate the functions using the service buttons and controllers.

Room functions
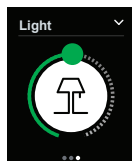
Examples of room functions including switching lights on and off, dimming, controlling blinds, altering the room temperature and activating scenes. Your installation technician will have installed the correct room functions to suit your installation and requirements. You can use your KNX Multitouch Pro to control up to 32 room functions (up to 4 on each screen page).

Depending on the scope of functions available to you, you may be able to navigate to further sub function pages from a room function. You can then use these pages for actions such as adjusting the slats of a blind or night reduction for the room temperature control unit.

Settings
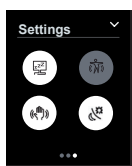
There is also a screen page for altering your general settings. This allows you to activate and deactivate functions such as the gesture function, the standby function and the screen saver, for example.

Other settings, such as the brightness and the time after which the screen saver or standby mode will be activated, can be altered on the sub function pages.

Messages and information

If you wish, you can set the system to display messages such as "Strong wind" or "Person detected" on a screen page.

The outdoor and indoor temperature, current energy consumption and other information can also be displayed. These values will appear on a screen page.

Navigation overview
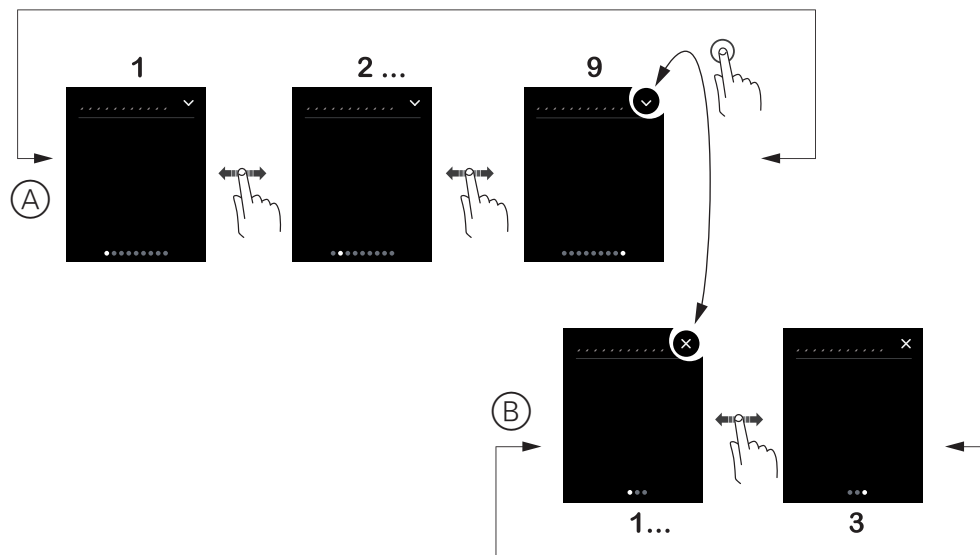
Ⓐ   Main functions
Ⓑ   Sub functions

Gesture function

When the gesture function is switched on, the KNX Multitouch Pro can detect a hand movement and respond by activating a function that you have defined. In this way, the light can be switched on by a gesture when you enter the room, for example. The gesture is detected at a distance of about 10 cm in front of the device. The system can detect both horizontal and vertical movements, as well as the direction of movement. This means that you can set an upwards movement to switch the light on and a downwards movement to switch it off, for example. If your system is configured accordingly, you can activate and deactivate the gesture function on the settings screen page.

2 How to operate the menu

In this section, you will learn how to activate the screen, navigate to the screen pages and activate all the functions.

2.1 Starting operation

You can choose whether to keep the screen switched on at all times or set it to only switch on when touched or approached. When the display is in standby mode, the backlight will be switched off or a screen saver will be running on it.

Proximity function

If you come within 20 cm of the device, the main screen or the last used screen will appear.

Touching the screen

When you touch the screen, the main screen or the last used screen will appear.

Main screen

When the system is running, the main screen appears after a user-defined period of time, or after a device restart.

Screen lock

If a screen lock has been set up, you can lock the device. You can then unlock the device using a 4-figure code.

Activating the screen saver and switching off the backlight

The time until the screen saver is activated and the backlight is switched off can each be set to any value between 1 and 600 seconds. This time is reset each time one of the following events occurs:

• Proximity
• Gesture
• Action on the screen

2.2 Navigation

In this section, you will learn how to navigate to all the screen pages. Navigation is performed using 2 finger movements.

Swiping right/left

Go to the next screen page and back.

Tapping

Jump to the next sub function page and back.

Navigation overview
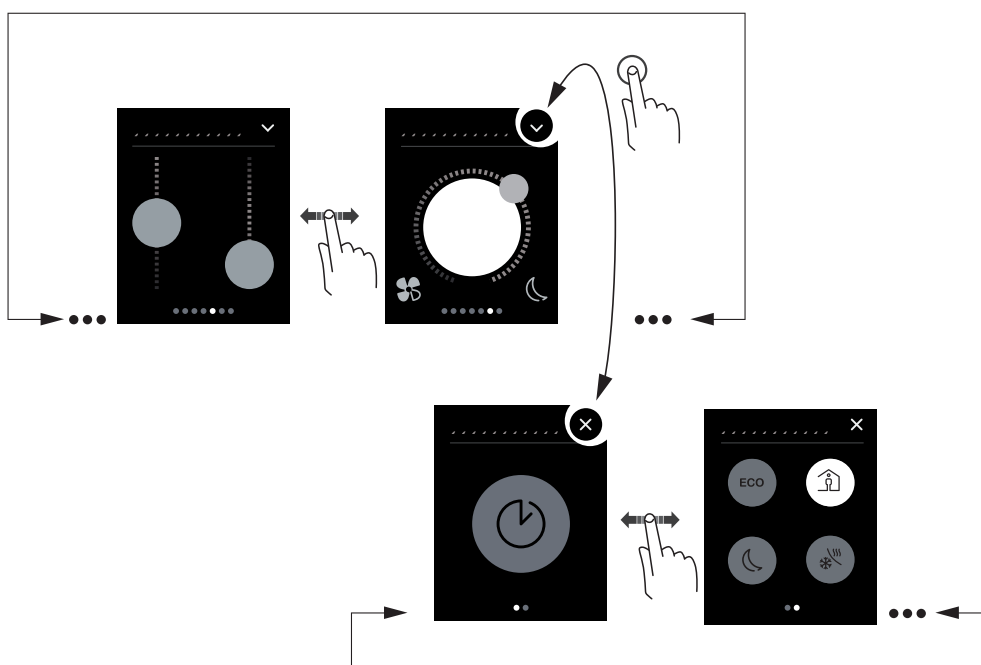
2.3   How to activate functions

In this section, you will learn how to activate the functions on the screen pages. You can activate the functions by either tapping or swiping.

How functions are displayed

Functions are displayed in one of three ways:
- Control dial design
- Vertical design
- Button design

The blind function is shown in this example. With the control dial design, you can adjust the slats on a sub function page. With the vertical design, both functions are on one screen. The button design, allows you to operate up to 4 blinds, depending on your configuration.

Control dial design

Vertical design

Button design
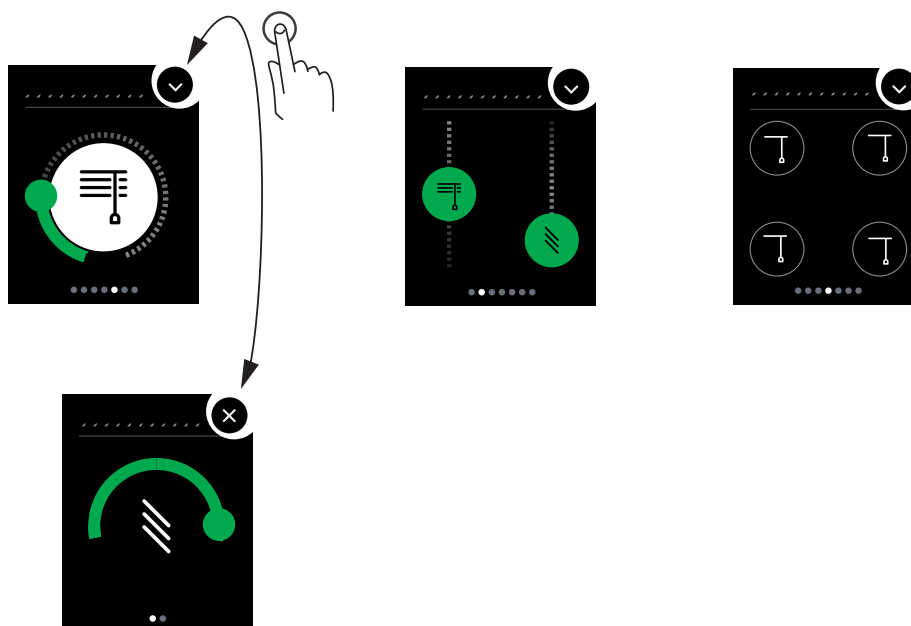
Which movements activate which functions?

You can activate the functions by either tapping or swiping.

	Movement	Functions
	Tapping	– Activate – Activate and deactivate – Retrieve values directly – Change values incrementally
	Tap and hold	– Special action, e.g. move blind when held down – Activates the second function, e.g. save values
	Swipe up/down	Change values continuously
	Swipe circular	Change values continuously

Control dial design

Marking point

Function symbol

Value scale

How to operate a control dial

Values
Adjust continuously

Current status
Marking point

Values
Adjust
directly

Current status
Function symbol
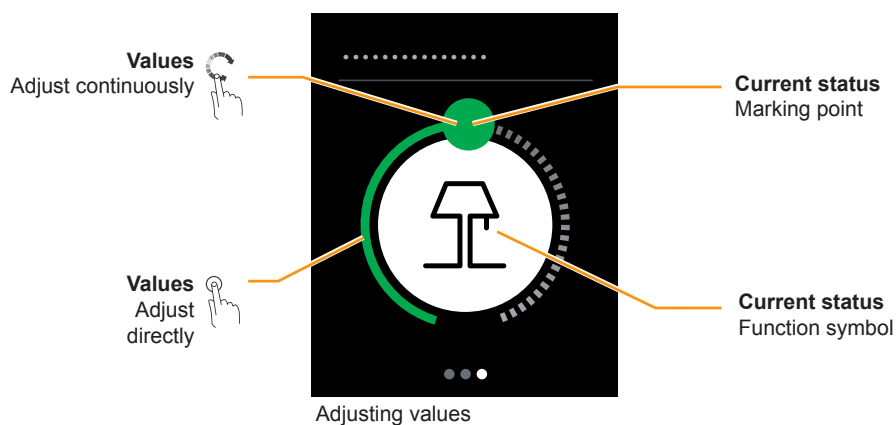
Adjusting values

Example: dimmer

Function symbol for lighting

Vertical design

Value scale

Marking point

Function symbol
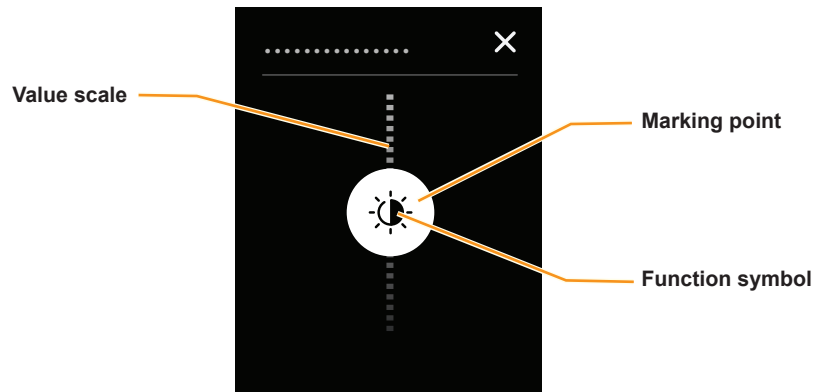
How to operate a vertical control

Values
Adjust directly

Values
Adjust continuously

Current status
Position of marking point
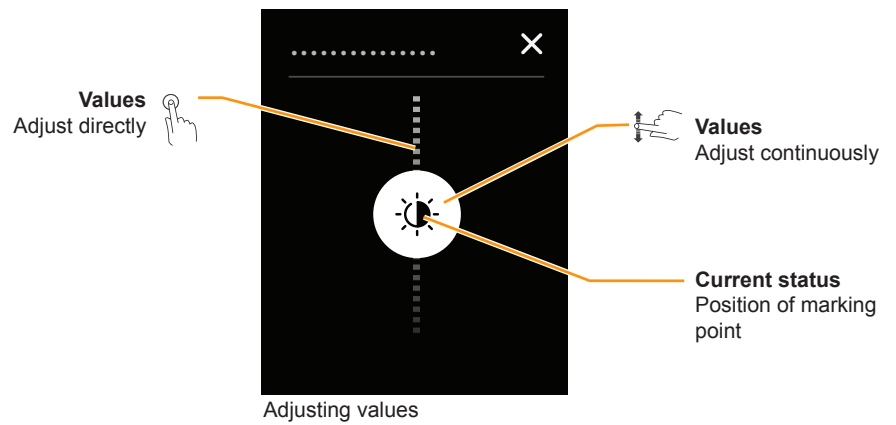
Adjusting values

Example: adjusting brightness

The marking point indicates the selected brightness on the value scale.

Activation buttons

Button

Function symbol
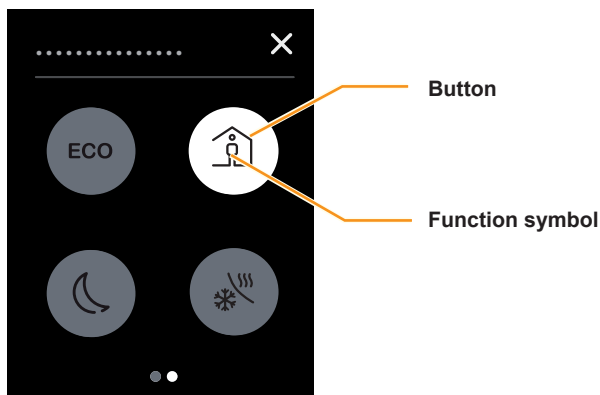
How to activate a function

Function
Activate

Current status
Deactivated

Current status
Activated

Activating functions
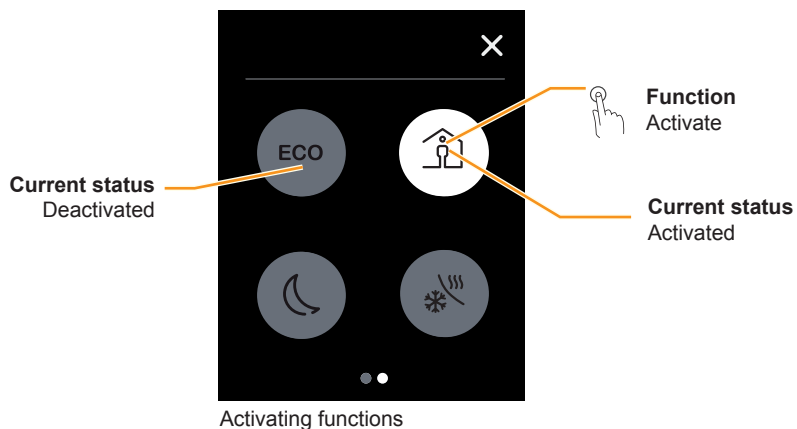
Example: comfort mode

White service button = comfort mode activated

Grey service button = comfort mode deactivated

Buttons for incremental adjustment in the vertical design

Button

01:30

Function display

How to change values incrementally

Values
Change incrementally

Current status
Set value

Changing values
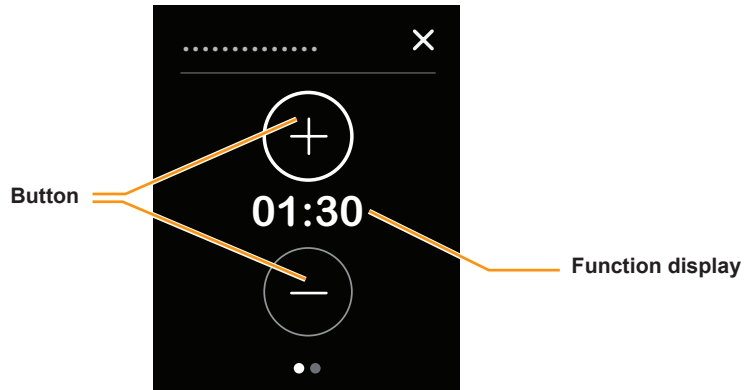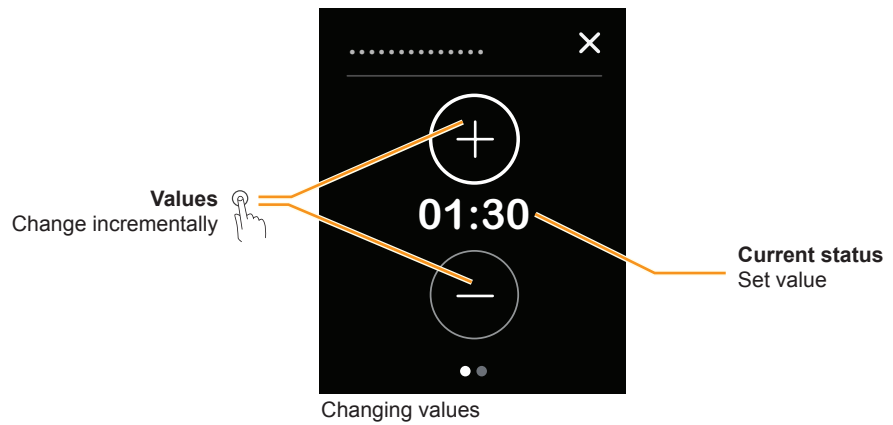
Example: duration of comfort mode

01:30   The set duration is shown.

3   Function examples

This chapter shows how to operate the device for a few typical applications. These instructions are intended solely as examples. Your installation technician will have installed the correct room functions to suit your installation and requirements.

3.1   How to switch and dim the lights

Here, you will see how to switch and dim on the Light room function page. In this example, a control dial design has been selected.

Light on/off

Adjusting brightness
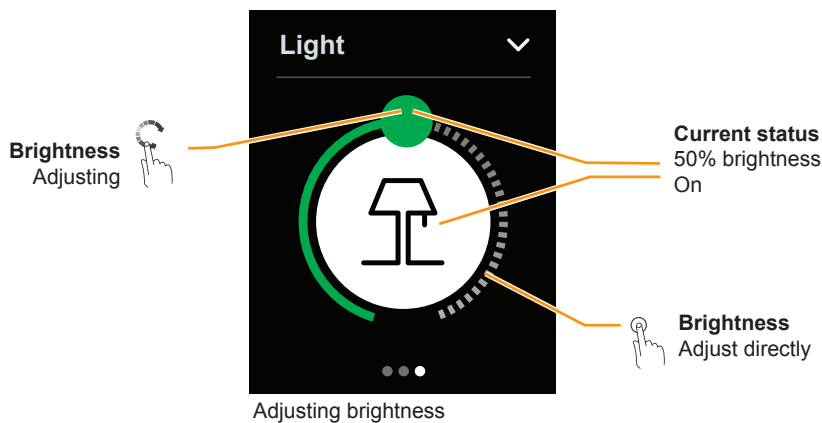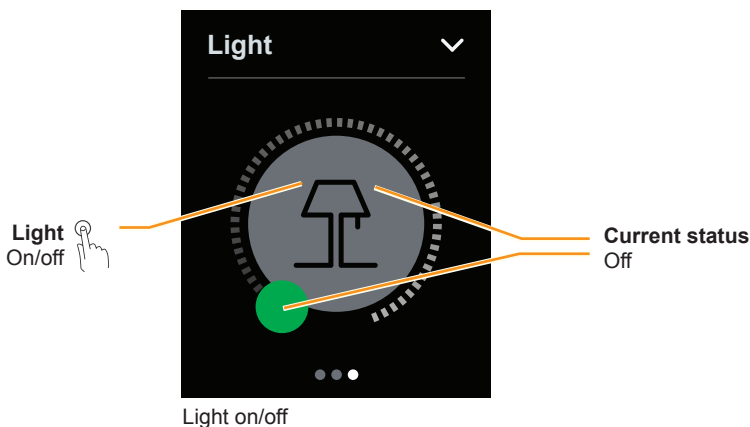
Dimming speed

You can follow the dimming result directly as it happens in front of you. To do this, adapt your swiping to the speed of the dimmer.

3.2   How to move blinds and adjust slats

In this example, a vertical design has been selected. Here, you can raise or lower the blind and adjust the slats on a room function page.

Blind
Stop

Current status
Blind in middle

Blind
Move

Moving a blind

Slats
Adjust directly

Current status
Middle position

Slats
Adjust

Adjusting the slats
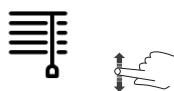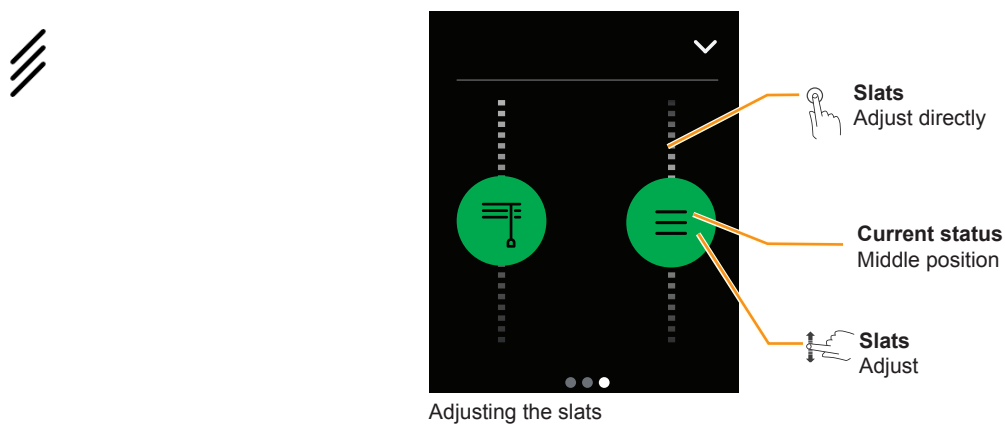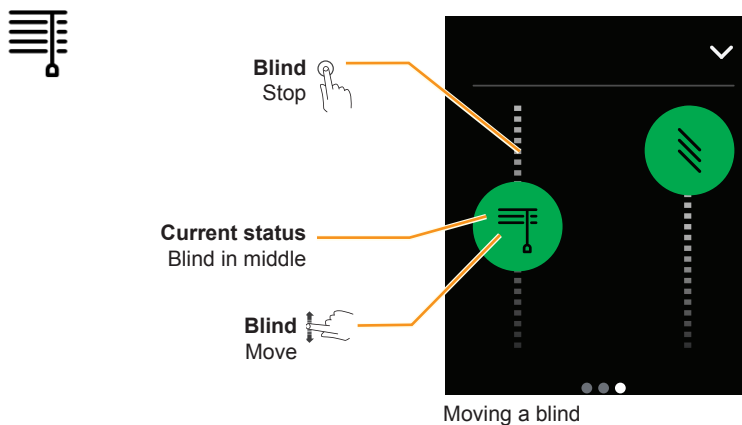
Blind moving time

You can set the desired position straight away. The blind will generally reach this position a little later. Depending on its speed and the distance it needs to travel, a blind may take several minutes to complete the required movement.

Slats

You can follow the adjustment of the slats live. To do this, adapt your swiping to the movement of the slats.

You can set blinds with different angles of opening. The symbol does not reflect the actual angle at which the slats of your blind are open.

3.3 How to adjust the room temperature control unit

Your installation will have set up your system for heating, cooling or both. The following examples show how to adjust your room temperature control unit. The examples are shown with the control dial design.

Setting the desired current temperature
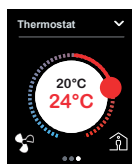
The room temperature control unit compares the current room temperature with the desired (setpoint) temperature and heats and cools the room accordingly.

You can alter the setpoint temperature within a pre-defined range:

There are operating modes with different setpoints to suit room usage and different times of day. For example, the heating temperature can be set to 21°C for comfort mode and 17°C for night mode.

You can switch between different operating modes:
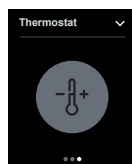
Protection mode

You can switch off the heating and cooling for the room using a protection function.

In heating mode, activate the frost protection. The heating is switched off. If the temperature drops significantly (e.g. to below 7°C), the heating will switch on again.

In cooling mode, activate the heat protection. The cooling is switched off. If the temperature increases significantly (e.g. to above 35°C), the cooling will switch on again.
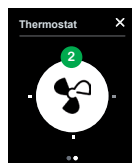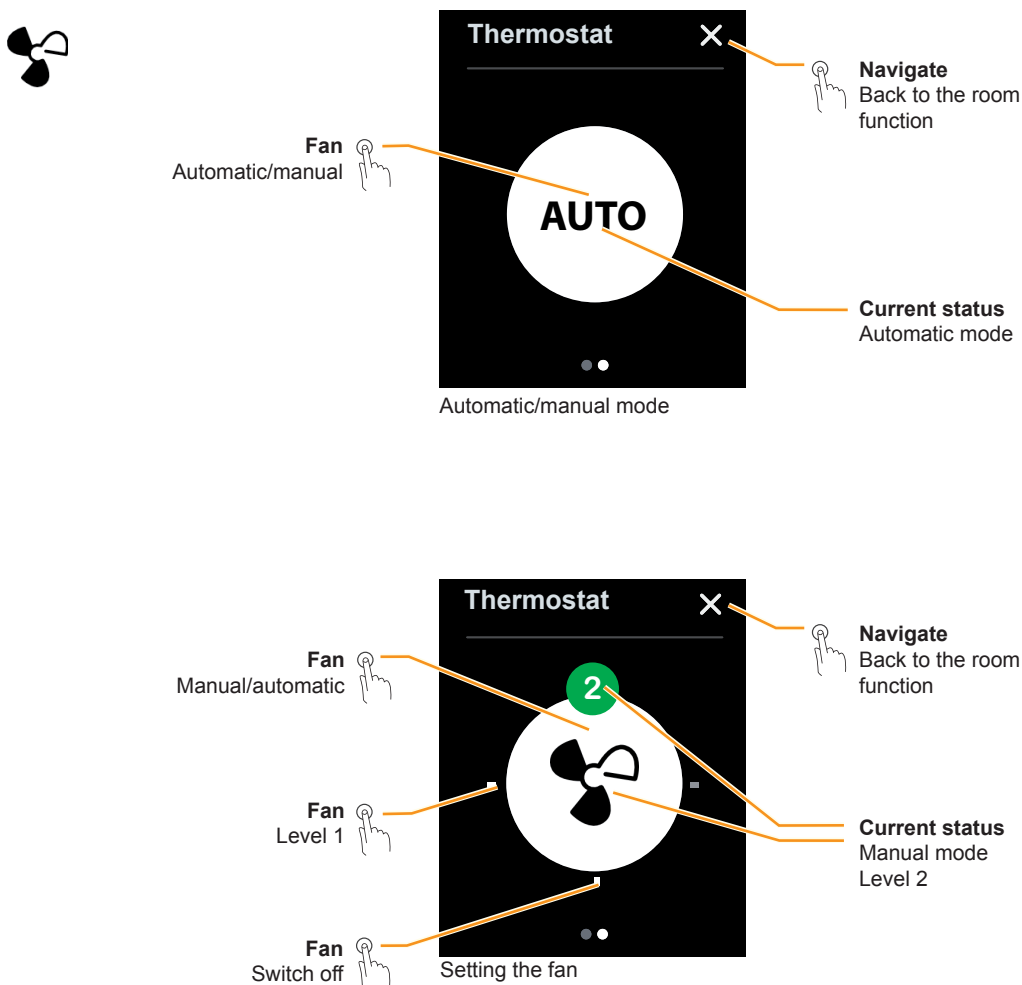
Fan control

When fan coil units are in use, the speed of the fan changes. The speed depends on the control system, and is set automatically. If necessary, you can alter the speed:

Navigation

You can adjust the room temperature control unit on the room function page and the sub function pages:

Adjusting the room temperature in heating mode

The room temperature control unit compares the current (actual) room temperature with the desired (setpoint) temperature. If necessary, you can alter the setpoint temperature.

In heating mode, the setpoint temperature is shown in red.
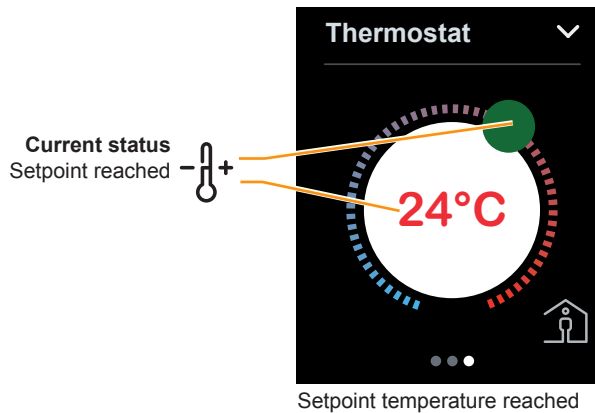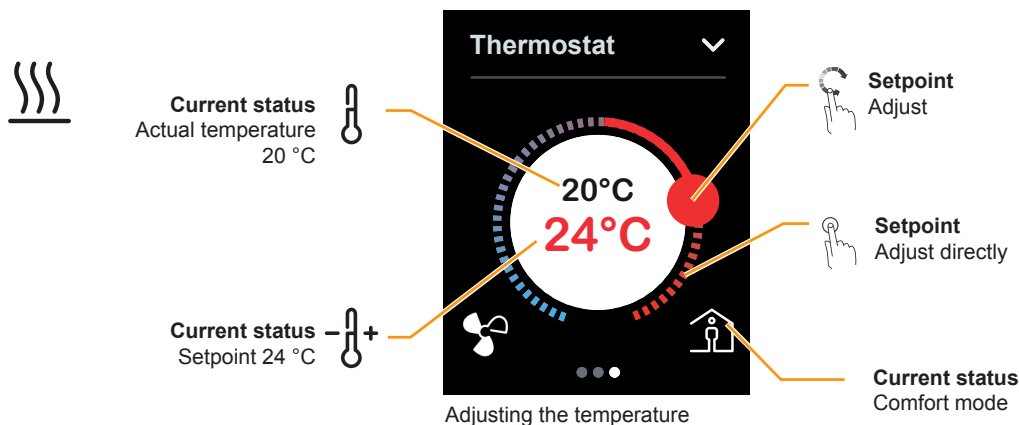
Adjusting the temperature

Setpoint temperature reached

Setting the setpoint temperature

You can alter the setpoint temperature within a pre-defined range (e.g. +/-5°C). Your installation technician will set this range for you.

You will usually want to use comfort mode if you are going to be in the room for a longer period of time.

You can also change the setpoint by activating a different operating mode (Activating comfort, ECO or night mode --> 20).

Adjusting the room temperature in cooling mode

The room temperature control unit compares the current (actual) room temperature with the desired (setpoint) temperature. If necessary, you can alter the setpoint temperature.

In cooling mode, the setpoint temperature is shown in blue.
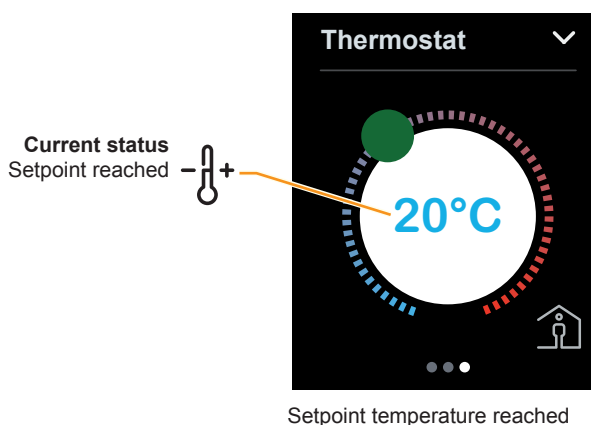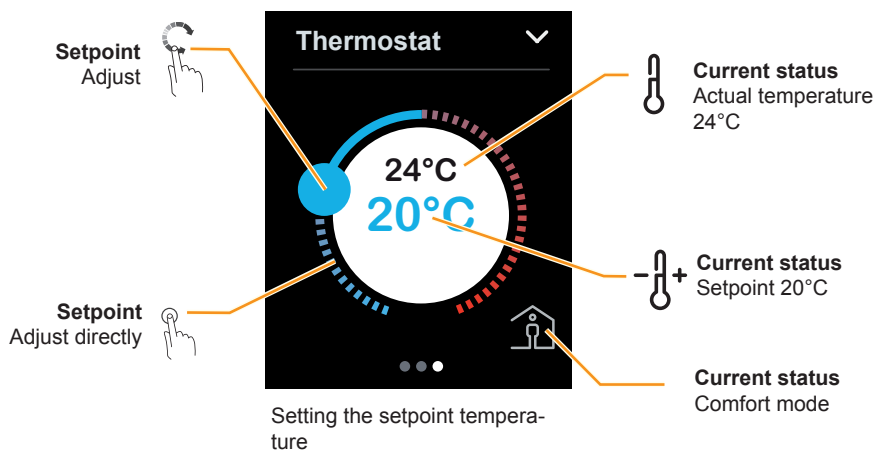
Setpoint
Adjust

Setpoint
Adjust directly

Thermostat

24°C
20°C

Current status
Actual temperature
24°C

Current status
Setpoint 20°C

Current status
Comfort mode

Setting the setpoint temperature

Current status
Setpoint reached

Thermostat

20°C

Setpoint temperature reached

Setting the setpoint temperature

You can alter the setpoint temperature within a pre-defined range (e.g. ±5°C). Your installation technician will set this range for you.

You will usually want to use comfort mode if you are going to be in the room for a longer period of time.

You can also change the setpoint by activating a different operating mode (Activating comfort, ECO or night mode --> 20).

Jumping from the room function to the sub functions

You can access other sub function pages from the room function page for the room temperature control unit. These allow you to adjust the time limit on the comfort mode and select operating modes, for example.
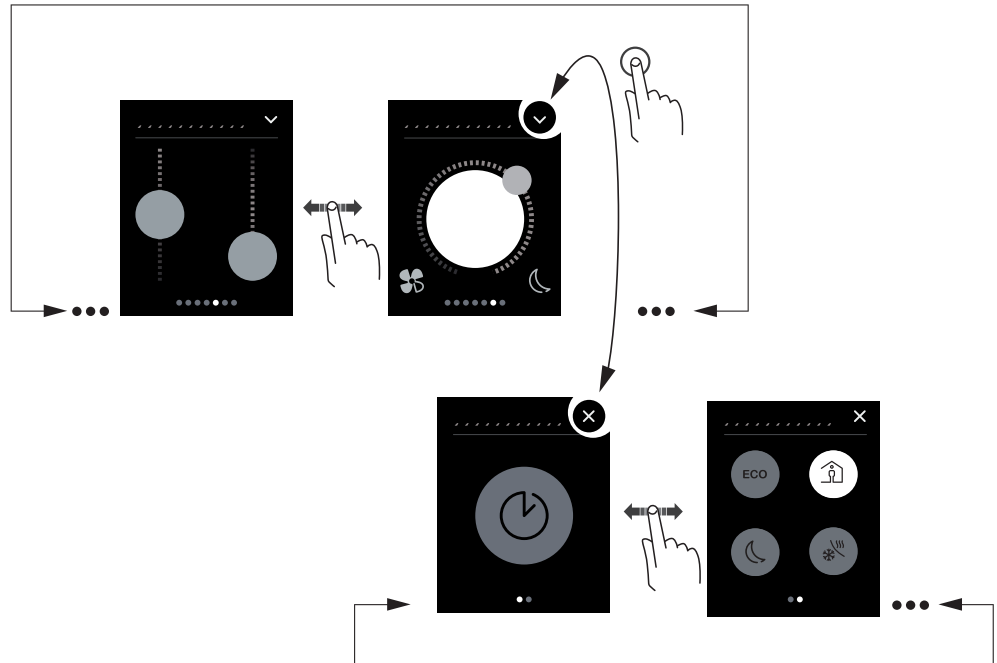
Swiping right/left
Go to the next screen page and back

Tapping
Jump to the next sub function page and back

Activating comfort, ECO or night mode

You can activate comfort, ECO or night mode if you want to adjust the room temperature to the current room usage.

On the sub function page, you can choose night mode, ECO mode or comfort mode.

Navigate
To the sub functions

20°C
24°C

Current status
Comfort mode

Comfort and ECO mode

Navigate
Back to the room function

ECO mode
Activate

Thermostat

Comfort mode
Activate

ECO

Current status
Comfort mode

Night mode
Activate

Activating comfort, ECO or night mode
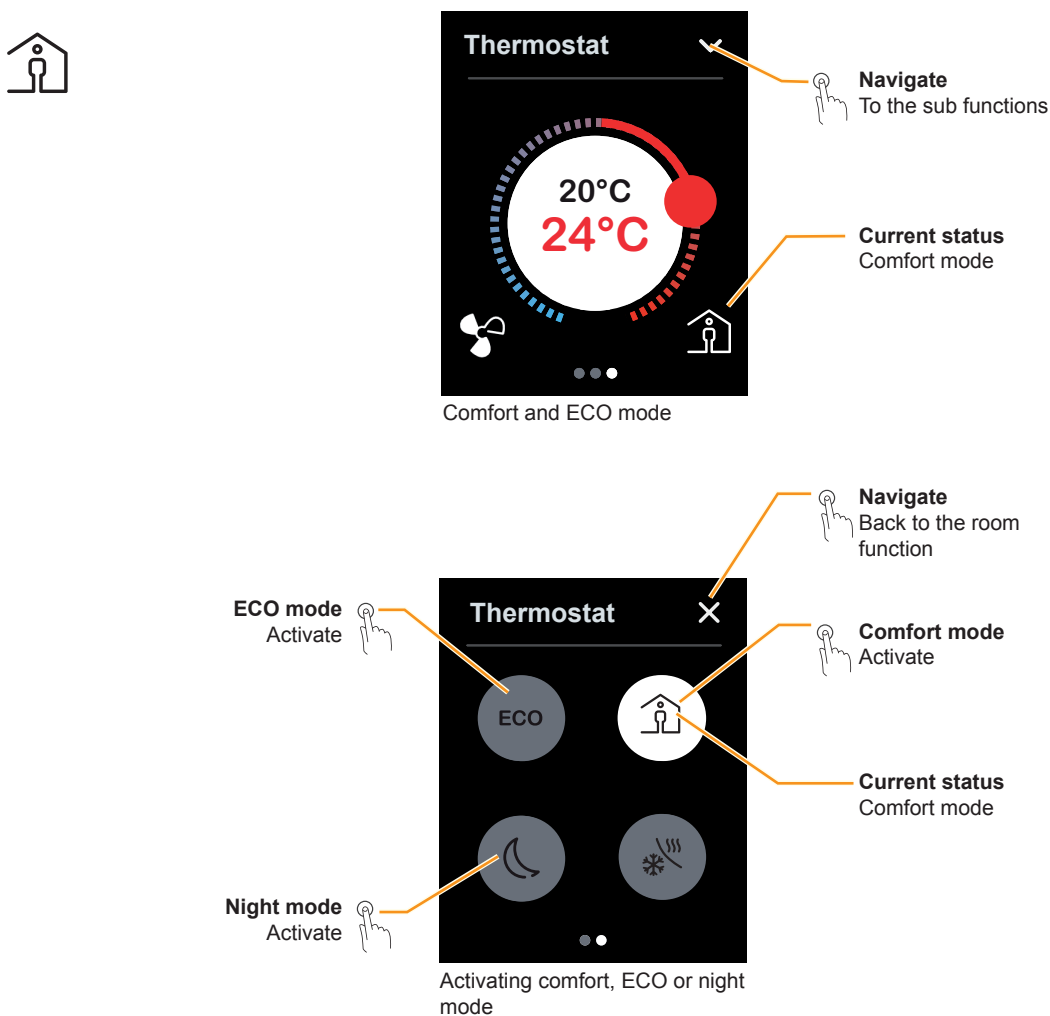
Activating comfort, ECO or night mode

When you are in a room, you will generally want to keep the system set to comfort mode. You can also adjust the setpoint using the control dial (Adjusting the room temperature in heating mode --> 17).

In heating mode, the temperature is reduced by 2°C, for example.

In heating mode, the temperature is reduced by 4°C, for example.

Activating comfort mode on a timer

This example shows you how to activate comfort mode for a limited period of time. You can switch to comfort mode from night mode or ECO mode.

Thermostat ✕

Navigate
Back to the room function

Comfort mode
Start/stop

Current status
Time control ended

Start comfort mode

Thermostat ✕

Comfort mode duration
Adjust

Comfort mode duration
Adjust directly

15 min

Current status
Time running
Duration 15 min

Duration of comfort mode
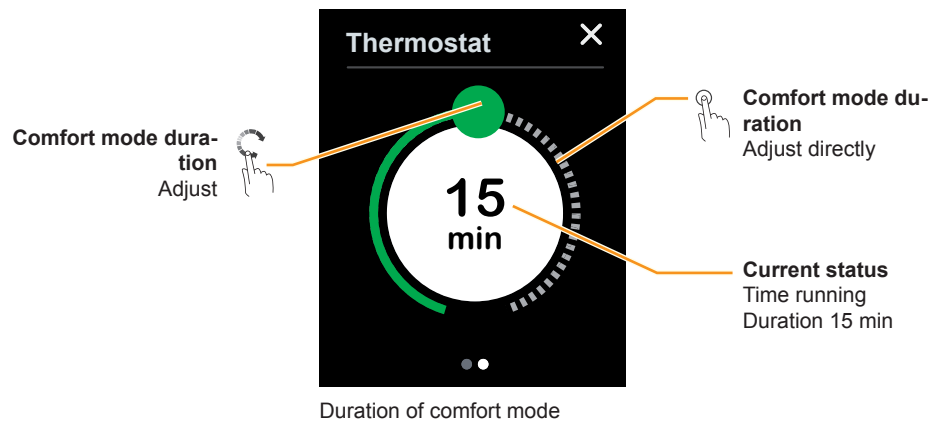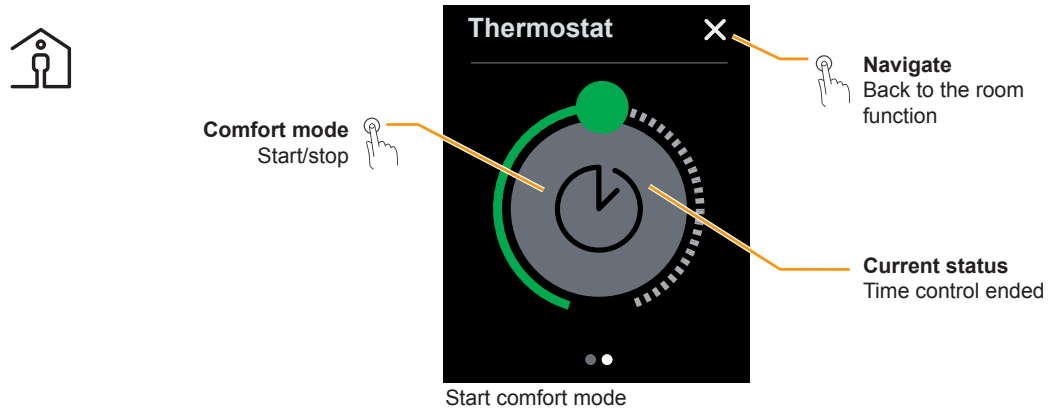
Comfort mode with timer

You are in the room for longer than usual. If night mode is already activated, for example, you can activate comfort mode. Night mode will be activated automatically when the set time period has elapsed. This helps you to save energy. You can also switch to another operating mode before the time elapses.

Activating protection mode

This example shows you how to activate and deactivate protection mode.

In heating mode, activate the frost protection. The heating is switched off. If the temperature drops significantly (e.g. to below 7°C), the heating will switch on again.

In cooling mode, activate the heat protection. The cooling is switched off. If the temperature increases significantly (e.g. to above 35°C), the cooling will switch on again.

Navigate
Back to the room function

Protection mode
Activate/deactivate

Current status
Protection mode

Activating and deactivating protection mode

Navigate
To the sub functions

Protection mode
Activate/deactivate

Current status
Protection mode
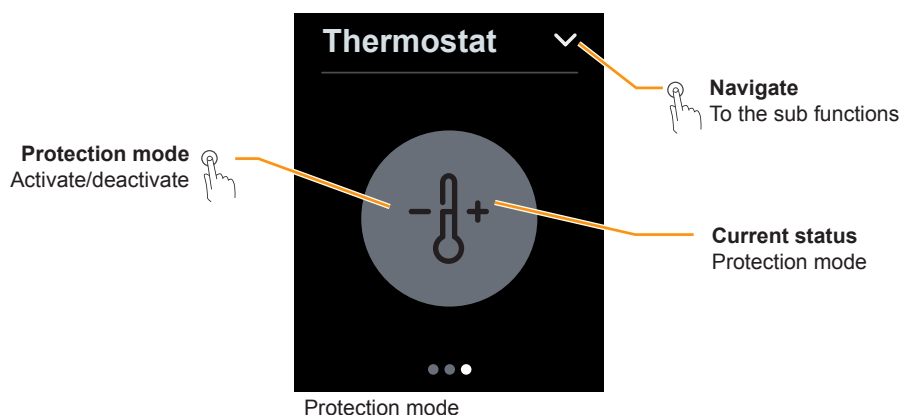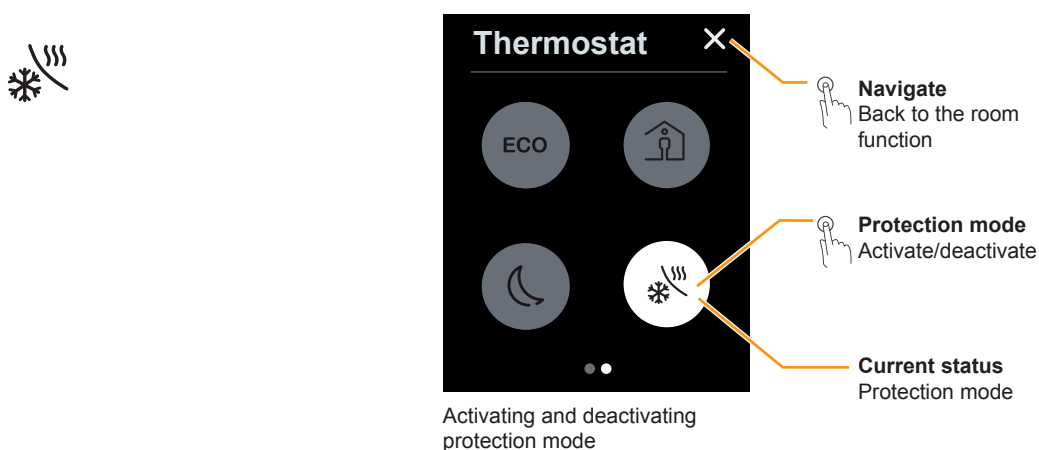
Protection mode

Frost/heat protection

Your installation technician will set the frost protection setpoint for you. A setpoint of 7°C will usually ensure that the water in the pipes cannot freeze. In some cases, however, the individual radiator may be too small. As such, we recommend closing the windows when you are not in the room and, in case of frost, only opening the windows to air out the room.

Your installation technician will set the heat protection setpoint for you (e.g. 35°C).

Your installation technician can set the frost/heat protection to come on automatically when a window is opened, for example. In such cases, the protection mode will not be deactivated automatically until the window is closed again.

Adjusting the speed of the fan

This example shows you how to adjust the fan level or switch to automatic mode. In manual mode, you can adjust the speed or switch the fan off. In automatic mode, the speed of the fan depends on the room temperature control unit.

Fan
Automatic/manual

Thermostat ✕

AUTO

Navigate
Back to the room function

Current status
Automatic mode

Automatic/manual mode

Fan
Manual/automatic

Thermostat ✕

2

Navigate
Back to the room function

Fan
Level 1

Current status
Manual mode
Level 2

Fan
Switch off

Setting the fan

Fan speed

Depending on which fan is installed in your system, it may take a while for it to reach the selected power level.

3.4   How to operate scenes

The Scenes room function allows you to load several functions simultaneously at the push of a service button. For example, you can dim several lights at once while also altering the room temperature.

The scenes are designed to suit the different ways the room can be used. For example, the "Video" scene switches off the lamps or dims them to minimum brightness, while the "Dinner" scene makes the lights above the dining table brighter.

If your system is configured accordingly, you can also change and save the settings for a scene (Saving scenes --> 25). Please ask your installation technician to find out which saving concept has been set up for you.

Loading scenes

In this example, we will load four different scenes. Each scene adjusts the lighting and the room temperature control unit.

The scene button lights up when a scene is being loaded. Once the scene is loaded, it turns grey again.

Loading scenes
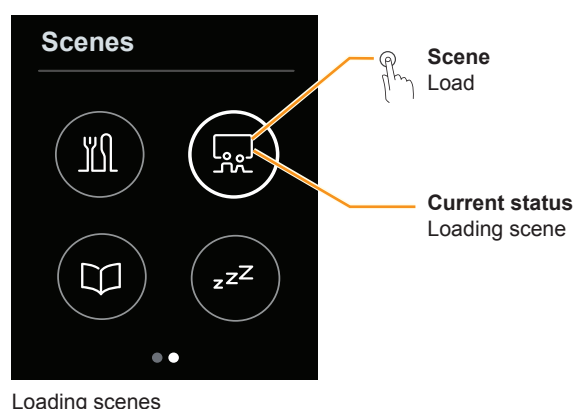
Example

	🍴	💡	📖	zᶻᶻ
Ceiling lamp	On	Off	OFF	OFF
Standard lamp	60%	30%	100%	0%
Room temperature	21°C Comfort	21°C Comfort	21°C Comfort	17°C Night

Instead of the symbols, your installation technician can also configure your buttons so that they are labelled by name.

Saving scenes

If your system is configured accordingly, you can change and save the settings for a scene. This example shows you how to alter the brightness of a standard lamp from 30% to 50%. You can then save this setting for the Video scene.
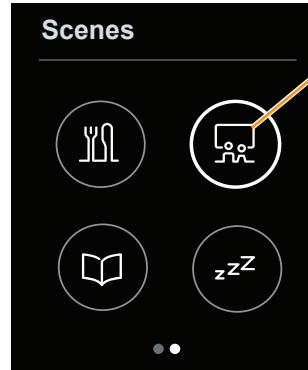
Scenes

Scene
Load

Current standard lamp
brightness 30%

① Load scene

② Navigate to light
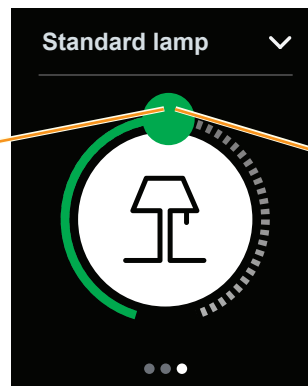
Standard lamp ⌄

Brightness
Set to 50%

Current status
50% brightness

③ Set brightness to 50%

④ Navigate to the scenes
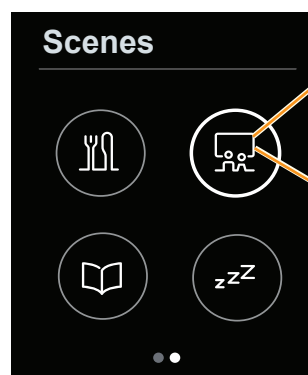
Scenes

>0.5 s

Scene
Save

Scene
Load

Current brightness of
standard lamp: 50%. All
other settings remain
the same.

⑤ Save scene
⑥ Load scene

4 Symbols

This section shows the symbols that may appear on the screen pages of the KNX Multitouch Pro. The lists are arranged by function.

4.1 Operation and navigation

	Tapping	Activating functions
	Tap and hold	Activating the 2nd function (e.g. save settings) Special action (e.g. move blind when held down)
	Swipe up/down	Change values continuously using a slider
	Swipe circular	Change values continuously using a control dial
	Swiping right/left	Go to the next screen page and back
	Load sub function	Switch from the main level to a sub function
	Return to main level	Back to room function, information or setting

4.2 Settings
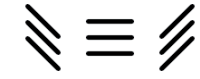
	Standby function / Always On function	Standby when approching or touching the screen / Always On without standby
	Gesture function	Activates a function (e.g. switch on light)
	Screen saver	Page with information or saved images
	Time for screen saver	Start and adjust time until the screen saver comes on
	Day/night mode	Brightness in day/night mode
	Brightness	Screen backlight
	Function on/off	Start and adjust time until the screen is switched off
	Device is locked	Enter 4-figure code to unlock
	Device is unlocked	The device can be locked

4.3   Lighting and switching

Table/standard lamp

Ceiling lamp

Spotlight

Incandescent lamp

Incandescent lamp with spotlight function

Brightness

4.4   Blind

Blind position

Slats position

Blind up

Blind down

Turn slats down

Turn slats up

4.5 Room temperature control unit

🌡	Actual temperature	Currently measured temperature
	Setpoint temperature	Required room temperature
	Heating mode	Current control type
❄	Cooling mode	Current control type
	Comfort mode	e.g. 21°C in heating mode
ECO	ECO mode	e.g. 19°C in heating mode
	Night mode	e.g. 17°C in heating mode
	Time control	Comfort mode with timer
	Protection mode	Frost protection, e.g. 7°C Heat protection, e.g. 35°C
	Fan level	Current fan speed (0-3)
AUTO	Automatic mode	Fan-speed is dependent on controller

4.6 General

◯	On	General switching command function
	Off	General switching command function
⏻	Start	General switching command function
+	Plus	Values, brightness
—	Minus	Values, brightness
∧	Up	Blind, values
∨	Down	Blind, values

4.7 Scenes

	Day
	Night
	Energy-saving
	Sitting
	Reading
	Getting dressed
	Television
	Meeting friends
	Dining
	Sleeping
	Night light
	Lock
	Presence simulation
	Number 1 (1-6)

4.8 Information

	Energy consumption
	Room temperature
	Relative humidity
	CO_2 content
	Water consumption

4.9 Service messages

Cleaning

Service call

First aid

Do not disturb

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35 rue Joseph Monier
92500 Rueil Malmaison - France
Phone: +33 (0) 1 41 29 70 00
Fax: +33 (0) 1 41 29 71 00

If you have any technical questions, please contact the Customer Care Centre in your country.
schneider-electric.com/contact

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