SMART MONITORING INSTALLATION AND START-UP CHECKLIST

Surname: Surname: Surname: Surname: Street: Street: Street: Street: Street: Surname: Street: Surname: Street: Surname: Street: Surname: Street: Surname: Street: Surname: Surname:	First name: Street: Post code: Telephone: Location of applian Ticket number in H	AU CRM:	Building no.: Town/city: E-mail address:	
Building no: Town/city: Town/city: E-mail address: Access: e.g. admission gate, front desk.	Street: Post code: Telephone: Location of applian Ticket number in H	AU CRM:	Building no.: Town/city: E-mail address:	
Post code: Town/city: E-mail address: E-mail address: Access: e.g. admission gate, front desk.	Post code: Telephone: Location of applian Ticket number in H Installation details	AU CRM:	Town/city: E-mail address:	
Telephone: Location of appliance: e.g. wing, department. Installation details (arrangement of appliances, general conditions, accessories) Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes No Remarks: E.g. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances? E.g. a longer cable (chelded twisted-par cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party. No Remarks: E.g. spilances to be connected between different rooms by a third party Yes No Remarks: E.g. spilances to be connected between different rooms by a third party Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No No Remarks: E.g. installation to be mounted, e.g. on the wall? No	Telephone: Location of applian Ticket number in H Installation details	AU CRM:	E-mail address:	
Location of appliance: e.g. wing, department. Ticket number in HAU CRM: Installation details (arrangement of appliances, general conditions, accessories) Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes No Remarks: Eg. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)? Eg. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? Eg. if no, installation by a third party. No Remarks: Eg. appliances to be connected between different rooms by a third party Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: Eg. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	Location of applian Ticket number in H Installation details	AU CRM:		
Installation details (arrangement of appliances, general conditions, accessories) Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes No Remarks: Eq. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)? Eq. a longer cable (shielded twisted-pair cable with at loast 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? Eq. if no, installation by a third party. No Remarks: Eq. appliances to be connected between different rooms by a third party Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: Eq. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the walt? No	Ticket number in H	AU CRM:	Access. c.g. damission gate, from desk.	
Installation details (arrangement of appliances, general conditions, accessories) Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes No Remarks: E.g. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)? E.g. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party. No Remarks: E.g. appliances to be connected between different rooms by a third party Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the walt? No	Installation details			
Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes		(arrangement of appliances, general condition		
Model names of all appliances to be connected: Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes			ons, accessories)	
Is there an available socket near to each appliance (power cable is approx. 2.5 m long)? Yes No Remarks: E.g. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)? E.g. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party. No Remarks: E.g. appliances to be connected between different rooms by a third party Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No		appliances to be connected:		
No				
No				
No Remarks: E.g. installation to be modified by a third party, reference to distributor. Are all the appliances in one room? Yes How large is the gap between the appliances (LIEBHERR accessory cable is 5 m long)? E.g. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party. No Remarks: E.g. appliances to be connected between different rooms by a third party How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	Is there an availab	e socket near to each appliance (power cable	is approx. 2.5 m long)?	
E.g. installation to be modified by a third party, reference to distributor. Yes	Yes			
E.g. installation to be modified by a third party, reference to distributor. Yes				
Are all the appliances in one room? Yes	No	Remarks:		
Yes	<u> </u>	E.g. installation to be modified by a third party, reference t	to distributor.	
Yes				
Yes	Are all the appliance	es in one room?		
E.g. a longer cable (shielded twisted-pair cable with at least 2 cores) needs to be assembled. May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party. No Remarks: E.g. appliances to be connected between different rooms by a third party How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	 1		(LIEDHERR accessory cable is 5 m long)?	
May the connecting cable be routed loose between the appliances? E.g. if no, installation by a third party.				
No Remarks: E.g. appliances to be connected between different rooms by a third party		eg, a longer cable (snielded twisted-pair cable with at lea	ist 2 cores) needs to be assembled.	
No Remarks: E.g. appliances to be connected between different rooms by a third party				
No Remarks: E.g. appliances to be connected between different rooms by a third party	_			
No Remarks: E.g. appliances to be connected between different rooms by a third party How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No			ween the appliances?	
How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No		E.g. II 110, INSTALLATION by a till a party.		
How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
How many SmartCoolingHubs are needed? Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No		E.g. appliances to be connected between different rooms t	by a third party	
Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
Is there a separate available socket near to each SmartCoolingHub (power cable is approx. 1 m long)? Yes No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	How many SmartC	oolingHubs are needed?		
No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No				
No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	Is there a senarate	available socket near to each SmartCoolingH	lub (nower cable is approx 1 m long)?	
No Remarks: E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No		aranasis social near to each emarteesing.	tes (power caste to approxi : in tong).	
E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	Yes			
E.g. installation to be modified by a third party. Does the SmartCoolingHub have to be mounted, e.g. on the wall? No	No	Remarks:		
No		E.g. installation to be modified by a third party.		
No				
No	<u> </u>			
	Does the SmartCoo	lingHub have to be mounted, e.g. on the wall?		
	No			
Ves Remarks:				
		Remarks:		
E.g. mounting by a third party		E.g. mounting by a third party		
	!-			
Required LIEBHERR accessories:	Required LIEBHER	R accessories:		
- SmartCoolingHub Quantity: available or procure from:	- SmartCoolingHub	Quanti	ity: available or p	rocure from:
· · · · · · · · · · · · · · · · · · ·	3			
- 5 m connecting cable Quantity: available or procure from:	- 5 m connecting c	Saariti	, Landante of p	
- 5 m connecting cable Quantity: available or procure from: - RS485 connector Quantity: available or procure from:		Quanti	ity: available or n	rocure from:
	- RS485 connector			

Version: 28/02/2022

HAU-CSE/baj

LIEBHERR-HAUSGERÄTE GMBH

Version: 28/02/2022 CS / Service Documentation and Projects HAU-CSE/baj Network details (type, settings to ensure smooth onboarding of the SmartCoolingHub) Connection of SmartCoolingHub to: LAN - Port patched and activated? No → Must be done prior to start-up. - LAN cable available? **No** \rightarrow Must be provided during start-up (not LH items). (RJ45, min. Cat5e, straight through) WLAN - SSID visible and good signal strength? **No** \rightarrow Must be visible during start-up. SSID: - Security key (password) known? Yes No → Person must be present during start-up. Password must be known during start-up - MAC filter activated in the router (see router settings)? If the filter has to remain activated, enter the MAC address of the SmartCoolingHub (see label on the housing). The person authorised to do this (e.g. IT administrator) must be present during start-up or deactivate the MAC filter in advance. - DHCP (Dynamic Host Configuration Protocol) deactivated in the router (see router settings)? IP needs to be assigned to the SmartCoolingHub manually, e.g. via the router; this cannot be configured using the SmartCoolingHub. The person authorised to do this (e.g. IT administrator) must be present during start-up or activate the setting in advance. No Router ports: These network ports must be open so the SmartCoolingHub can be configured and the appliance can transmit data to the cloud (alternatively: activate UPNP): - DNS: Port 53/UDP - HTTPS: Port 443 (OUT)/TCP - NTP: Port 123 (OUT)/UDP - Secure MQTT: Port 8883 (OUT)/TCP Licence management (MyLiebherr, licence for SmartMonitoring) MyLiebherr account already set up? Yes Have the details to hand during start-up Account Password must be known during start-up SmartMonitoring can only be used with a MyLiebherr account. Make sure that it is always a company profile that is set up (the relevant checkbox is activated by default during the registration process) -> NOT a MyLiebherr "Consumer" account Ideally the customer will have set this up in advance (www.myliebherr.com) and will have the details to hand. Note: Liebherr IT (LIS) performs a manual check to ensure the MyLiebherr company profile is registered completely. The full range of functions for the user profile in question will be made available after this check. However, if the check has not yet been performed it is still possible to obtain and activate a licence, as well as use all basic SmartMonitoring functions, it is just not possible to add more users or change any permissions. Licence to use SmartMonitoring Each appliance requires a licence to view appliance data and make use of the full range of functions in SmartMonitoring. Every SmartCoolingHub comes with a 36-month licence for exactly one appliance.

Licences available for all appliances?

Yes

No

Licence(s) can be purchased in advance.

They can be bought at a retailer or in the LIEBHERR-online (if it exists in the respective country).

IMPORTANT: Behaviour of SmartCoolingHub in case of power interruption

Without power supply, the SmartCoolingHub can't receive, store or transmit the appliance's data.

To avoid loss of data, the user of SmartMonitoring has to install some further technical devices on it own response, e.g. an emergency permanent power supply.