weisstechnik®
a schunk company

Control systems intelli.4®

www.weiss-technik.com

Planning today for the future.

Your air-conditioning technology control must be suitable for updates and expansion and must connect all components intelligently in a single system. We prepare you for the future.

Long-term investment security.

New functions and the integration of additional components make building air-conditioning systems increasingly complex. Individually configured measuring and control systems frequently lead to complex integration procedures. For this reason, flexible, long-term, modular solutions with scaleable software and hardware that can be updated are necessary for investment security.

Future-oriented multi-talent.

We install the innovative **in**telli.4® control system into all our air-conditioning units as part of series production. The controller with an open structure has a modular design and is suitable for all current and future controller generations. **in**telli.4® can be flexibly networked and has a wide range of different interfaces, including an interface to the building control technology. It can easily be expanded at any time.

Everything in. Everything on. Everything better.

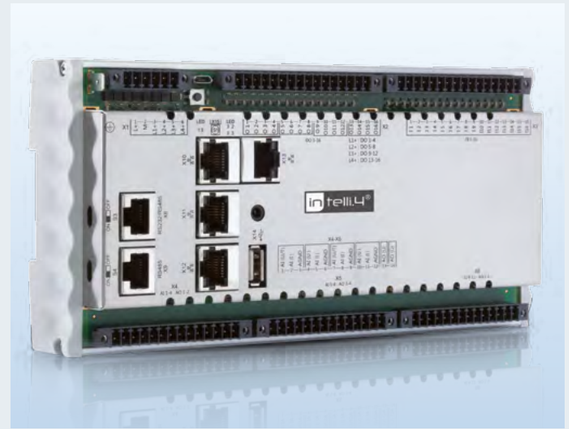
intelli.4® control systems

Controlled intuitively.

Instead of controlling each unit via different systems, **in**telli.4® supports the control of several components via uniform operation. Operators can quickly and easily learn how to control different units via app icons. Thanks to the simple menu guidance, the risk of operating errors is also reduced.

Optimally networked.

intelli.4® has numerous connection options and can cope with many different communication protocols. Thanks to the open system, additional components and options can be very easily integrated if needed.



Extremely reliable in operation.

Compared to solutions that involve complex and individual adaptation, **in**telli.4® also offers a considerable increase in operation reliability, with reduced outage times. During servicing work, the system is simply replaced via plug-and-play, and the latest back-up is installed using a USB stick. Costly service appointments and individual adaptations are no longer required, and operation can be resumed after just a very short period of time.

Our highlights:

- Scaleable controller, from the practical introductory function through to complex system solutions
- Many functions already in the basic version, which can easily be enabled as needed
- Intuitive operation and app-based control make handling easier and prevent operating errors

More features right from the start.

Standard features that set the bar high for others to follow!

Communication

- **Maximum operating flexibility**
  Whether the operator uses a touchscreen, a computer for the building control technology, an iPad or a smartphone, all **in**telli.4® functions can conveniently be controlled via a web browser at any time and from any place, with network access.

Protection

- **Maximum reliability**
  The **in**telli.4® software has a modular design and consists of tried and tested basic functions. These can be flexibly enabled as needed. This increases operation reliability and enables individual configurations - without additional programming with the potential for error that this entails.

Interior

- **Flexible expandability**
  The potential for expansion of the **in**telli.4® is almost limitless. Thanks to the modular system architecture and numerous connection possibilities, further components can be integrated at any time without a problem and without additional effort required.

You can find more details of fittings in our technical specifications. **Get in touch with us.**

Tailor-made solutions.

Options for individual solutions.

Protection

- **No gateway errors.**
  The software architecture is based entirely on the BACnet model. This enables interface-free, consistently norm-compliant BACnet messaging from the field level via the automation level through to the management level. This means just one single communication protocol to the building control technology and therefore fewer potential sources of error.

Impressive technology. Reliable results.

The performance data at a glance:

intelli.4® display	Weiss panels WPxx standard portfolio		
Basic fittings:	LED colour display (18-bit, 3 x 6 RGB), touch operation, resistive		
	Signal:	Beeper	
	Ethernet interface:	1x RJ45 10/100 Mbit	
	Supply voltage:	24 VDC (-15 %/+20 %)	
Displays:	**WP04**	**WP07**	**WP15**
Diagonal:	11 cm (4,3")	17.9 cm (7")	39.6 cm (15,6")
Resolution:	WQVGA (480 x 272)	WVGA (800 x 480)	WXGA (1366 x 768)

intelli.4® controller		
Programming environment:	CODESYS V3	
Digital inputs (DI):	16 (24 VDC, plus against shared 24V GND, no potential isolation against supply voltage)	
Analogue inputs (AI), multifunction with temperature:	6 (can be switched between:	(I) PT1000 2 conductors 12 bits, resolution 0.1 °C (II) 0..10 V, resolution 12 bits (III) 4..20 mA, resolution 12 bits)
Analogue inputs (AI), multifunction without temperature:	6 (can be switched between:	(I) 0..10 V, resolution 12 bits (II) 4..20 mA, resolution 12 bits)
Digital outputs (DO):	16 (24 VDC, 0.5 A, 4 potential groups)	
Analogue outputs (AO):	6 (0-10 V, resolution 8 bits)	
Interfaces:	Network 1	Network 2
Ethernet:	3x RJ45 (10/100 Mbits via Switchport)	1x RJ45 (10/100 Mbits EtherCAT)
Series:	RS485/RS232	USB
	2x RS485 (opto-uncoupled via RJ45 with switchable terminations, 1 of which also configurable as RS232)	1x host USB 2.0
Optional protocols:	BACnet/IP, Modbus/RTU (master, slave), Modbus/TCP (master, slave), SNMP, SMTP Other slave protocols possible as a gateway solution	
CPU:	ARM Cortex 800MHz – single core	
Configuration/service:	USB, web interface	
Supply voltage:	24 VDC (-15 %/+20 %)	
Miscellaneous:	Realtime clock, battery buffered	
Certification:	CE (as per product standard EN 61131-2), UL (cUL [UL 508] currently being planned)	

We reserve the right to make technical changes without prior notice.

Engineering is our strength. Personal service is our passion.

Our quality of service is the measure of our strength!

24/7 service helpline: +49 6408 84-74

Our services:

- Global service network
- Wide range of preventive maintenance services
- Secure spare parts supply
- Special service operations available at all times
- Proper disposal of your old units with verification

A **weiss**technik specialist is always close by.

Passionately innovative.

We work in partnership to support companies in research, development, production and quality assurance. With 22 companies in 15 countries at 40 locations.

weisstechnik
Test it. Heat it. Cool it.

Environmental Simulation

The first choice for engineers and researchers for innovative, safe environmental simulation facilities. In fast motion, our test systems can simulate all the influences in the world as well as for instance in space. In temperature, climate, corrosion, dust or combined stress tests. With a very high degree of reproducibility and precision.

Climate Technology, Air Dehumidification, Clean Rooms

As the leading provider of clean rooms, climate technology and air dehumidification, we consistently ensure optimal climatic conditions for people and machines. For industrial production processes, in hospitals, mobile operation tents or in the field of information and telecommunications technology. From project planning to implementation.

Heat Technology

Experienced engineers and designers develop, plan and produce high-quality, reliable heat technology systems for a broad range of applications from heating and drying cabinets to microwave systems and industrial furnaces.

Clean Air and Containment Systems

With decades of experience and know-how, we guarantee the most sophisticated clean air and containment solutions. Our comprehensive and innovative range of products includes barrier systems, laminar flow systems, safety workbenches, isolators and airlocks.

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