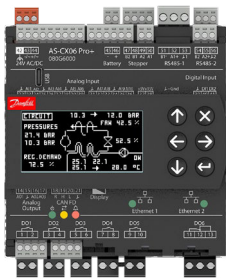


Universal programmable controller – Alsmart®



Alsmart® is the latest generation of programmable controller platform for the HVAC market

It is the smart, compact and powerful brain of the HVAC unit (chiller, rooftop, heat pump, dedicated outdoor air systems, and more) packed with the latest best-in-class technology, ready to fully make the most of your thermodynamic knowledge

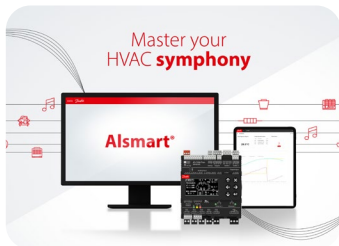
- The new portfolio features a next-generation solution, offering enhanced capabilities and improved performance. In particular, the portfolio includes basic controllers, extension modules, displays, and a complete software toolchain that work seamlessly together to provide a comprehensive solution for HVAC control

[Read more](#) [View 3D model Alsmart® AS-CX06 Pro+](#)

AS-CX06 variant	Universal controller AS-CX06								Expansion modules AS-XP			User interfaces		
	Lite	Mid	Mid SSR*	Mid+	Mid+ SSR*	Pro	Pro+	AS-XP05	AS-XP05+	AS-XP10*	AS-UI snap-on	AS-UI04*		
Dimension	6 DIN								4 DIN		6 DIN	Type	Graphic LCD FSTN	Graphic LCD TFT
Digital output	N	6	6	6	6	6	6	5	5	10	Colors	Black/white	65k colors	
	Type	5xSPST 1xSPDT	5xSPST 1xSPDT	4xSPST 1xSPDT 1xSSR	5xSPST 1xSPDT	4xSPST 1xSPDT 1xSSR	5xSPST 1xSPDT	5xSPST 1xSPDT	4x SPST 1xSPDT	4xSPST 1xSPDT	8xSPST 2xSPDT	Backlight	Dimmerable via software	Dimmerable via software
Digital input	N	2	2	2	2	2	2	---	---	4	Resolution	128 x 64	480 x 272	
	Type	Voltage free								---	---	24Vac or 230Vac	Mounting	Magnetic lock on AS-CX controller
Analog output	N	3	3	3	3	3	3	2	2	2	Dimension (mm)	105x44.5x17	166x101x27	
	Type	0/10V or PWM								0/10V or PWM			Viewing area (mm)	58.4x32.2
Universal input	N	10	10	10	10	10	10	10	10	14	Connectivity	---	CAN FD	
	Type	NTC, PTC, 4-20mA, DI, 0/5V, 0-1V / 0-5V / 0-10V								NTC, PTC, 4-20mA, DI, 0/5V, 0-1V / 0-5V / 0-10V			Operating T (°C)	-20/60
Stepper motor	---	---	---	1	1	---	1	---	1	---	Degree of protection	IP40	Panel (front): IP65 Wall: IP20	
CAN FD	YES	YES	YES	YES	YES	YES	YES	---	---	---				
Ethernet/web server	---	---	---	---	---	2	2	---	---	---				
Modbus RS485 (opto-isolated)	1	2	2	2	2	2	2	---	---	---				
USB	Yes, C type								---	---	---			
Power supply	24Vac or 20...60Vdc								From main control					

* Available from Q2 2026

Optimize the performance of your HVAC ecosystem with the powerful Alsmart® controller platform



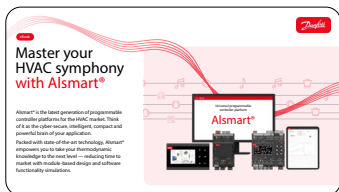
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- Alsmart® Design - download the latest version of the Alsmart® Design Software

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Alsmart® Design

Is the core of the toolchain, the programming tool used to program, compile, and debug your application to fully manage the universal controller and expansion modules connected to it.

To learn more about Alsmart® Design please visit the [Alsmart Community web page](#), where you can find documentations, video, guides and further useful tools to quickly get familiar with the Alsmart tool chain.



Alsmart® Service Tool

A web server based tool and its main target is to setup and monitor the application. The dashboard is customizable by adding new widgets with live diagrams and graphs but also to check preferred specific parameters. It's possible to set different users with different access and visibility to create different levels to look, manage, and monitor all application parameters and set up the communication of the controller.

[Read more](#)