

Høglund HCS

HVAC Control System

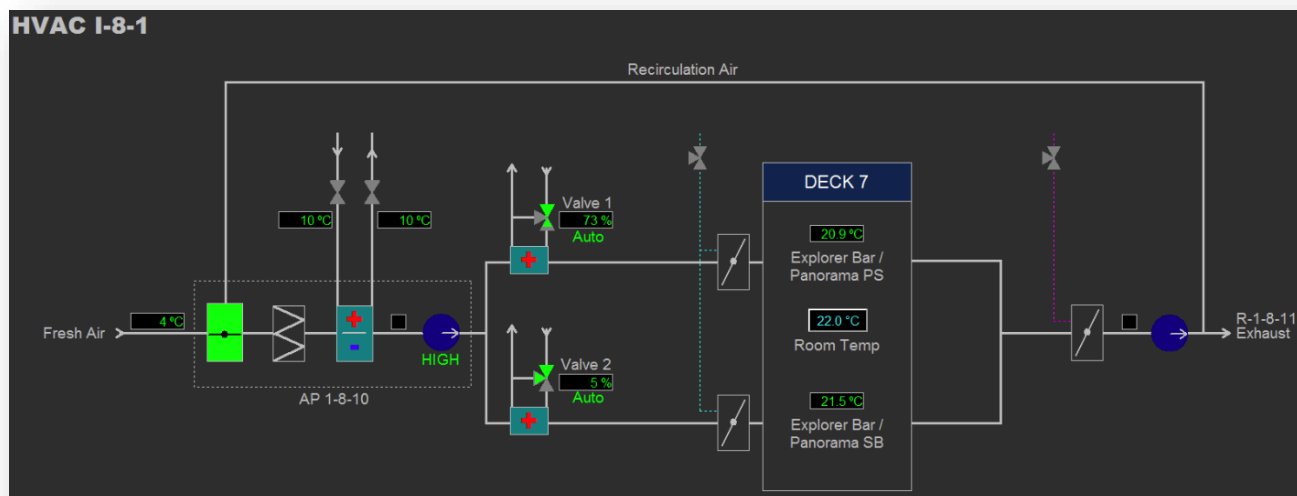
Complete HVAC control system with advanced control functions to optimize comfort as well as reducing energy consumption. Distributed IO reduces length of field cables. Interlocks and shutdown functions embedded in system. Control functions include pressure control, temperature control as well as CO2 level control in Public areas.

Benefits

- Ideal as a retrofit solution
- Fast commissioning
- Standard hardware components
- Customable software
- Short lead time
- Easy integration to Høglund's IAS
- Distributed IO

Functions

- Controls start and stop of Fans
- Start Interlocks
- Easy parameter setting
- Temperature control
- Pressure control
- CO2 level control
- ESD Interface
- Frequency converter interface



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Proven concept, reliable hardware

The HCS is developed using standard hardware components available worldwide.

Easy debugging and troubleshooting

By utilizing the GMR HMI software with all it’s troubleshooting capabilities..

Playback

As the system is based on Høglund concept, it comes with data logging of all process variables every second. Faster sampling available on demand.

Remote connection

If remote connection option is installed, Høglund can logon. Generally 95% of all problems can be solved using remote connection, reduces MTTR (Mean Time To Repair) as well as having reduced service costs.

Seamless integration

By selecting a Høglund control system for your equipment you will be able to mix and match with other Høglund solutions.

Safety System

The safety system protects fan units and personnel from possible damage if there is plant parameter that exceeds is limit or when system is taken down for maintenance.

Frequency converter interface

By connecting the frequency converter directly with fieldbus, hardware IO and software configuration is reduced which benefits system in long term.

Local operation

The system can be fitted with local operation stations inside HVAC rooms to ease maintenance and troubleshooting.



Marine approvals

DNV GL
ABS
BV
LR

Environmental specs

Air 0°C-45°C
Water ingress protection field equipment IP54

Electrical

Supply voltage 230V AC or 24VDC

Models	Type of system
HCS001	Single CPU HVAC control system
HCS002	Redundant CPU HVAC control system
Other configurations available on demand. Please contact Høglund for a offer	

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