

# Electronic regulation

All our units incorporates state-of-the-art electronic controls, which ensures the safety of the cold room and care for the environment and the refrigeration equipment.

Features / Control	XM670K	XW270K	XH240K	XW60LH	IC121CX
Cold room temperature control	●	●	●	●	
Digital control of condensing temperature	●	●		●	
Cold room relative humidity control			●		
Time and temperature fast cooling cycle	●				
Time and temperature defrost cycle	●	●		●	
Stop control with gas collection (pump-down)	●				
Energy save night operating mode	●	●		●	
Time program with internal clock	●				
Digital condensing temperature control	●	●			
Proportional control of condensation with floating set-point	●				
Door opening contact	●	●		●	
Recording of max. and min. temperatures		●		●	
Maintenance quick access menu	●				
Available additional functions:					
- Cold room light	●	●		●	
- External alarm	●	●			
- Heating resistance control	●	●	●		
- Safety heating	●	●			
Units synchronization	●				
RS485 Modbus connection	●				
TTL Modbus connection (optional XJ485 connector)		●	●	●	●
Glycol/water return temperature control					●
Temperature/condensing pressure control					●
Supply temperature control with activation of frost protection resistor (HFC models only) and/or compressor stop.					●
Energy save mode activated by digital input (without internal clock)					●
Hydraulic group control (1 pump only) with functionalities:					
- Flow detector					●
- Pump failure					●
Condensation fan control with functionalities:					
- Analogue output for fan speed					●
- Fan failure					●

Complete features of electronic controllers available at: [www.intarcon.com](http://www.intarcon.com)

## Self-diagnosis

The new XM670K electronics incorporate advanced self-diagnostic algorithms to detect anomalous operation, such as ice accumulation in the evaporator, or lack of gas. It also detects component malfunctions (defrosting resistors, fans or compressor) or probe failures, in anticipation of a potential break in the cold room.

### XM670K

Standard / optional\* control of:

- CV-NPD / CR-NPD / DM\* / CC / CWF / SF / SH / DF\* / DH\*



### XW270K

Standard control of:

- CR-ND / CV-NN / CR-NN



### XH240K

Standard control of:

- HSF / VSF / VSH



### XW60LH

Standard control of:

- CV-LD / CP-ND



### IC121CX

Standard control of:

- WF

