

iFM Universal Field-Mount Refrigeration Controller
with temperature sensors and pressure transducer kit

The intelliGen™ Field Mount (iFM) Kit is designed to install in the field for new unit coolers without factory mounted controls or retrofit of existing unit coolers with mechanical control to utilize the latest electronic control technology for refrigeration.



Pre-assembled hardware in durable water resistant case

40ft

Remote mount up to 40ft from equipment



IP65 rated for indoor and outdoor applications



intelliGen Features & Benefits

Intuitive design

- Light Bar with Alerts immediately shows system status
- Guided text with instruction, No coded display to decipher.
- Quick menu buttons to change settings and changes.

Simple setup

- Guided quick setup.
- “No wiring between condensing unit and unit cooler, when controlling unit cooler only.”
- Set Up In Minutes, Not Hours

Smart servicing

- Remote monitoring capability with webserver card added.
- Receive alerts via web, text, BMS & E-mail.
- 60 days of onboard storage with USB port for data download.
- Easy maintenance (Wires are labeled, removable color coded terminals)

Part Number	Description	List Price (US\$)
59755002	intelliGen Field Mount (iFM) Kit with 25ft sensor lead wires	\$1,967

MSC

Multi-system Card with Lead-lag Control

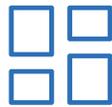
Organize and control multiple systems through a single remote interface with this simple-to-install MSC Card. Create lead-lag zones to set up system redundancy to prevent potential product loss. Balance systems' run time to extend equipment life.

32

Multiple systems control up to 32 systems



Wi-Fi Direct with antenna included



Organize systems into sections and zones for better management



Single dashboard provides a summary view of all systems



Lead-lag control up to 4 systems in a single zone



Add-in option, install in place of webserver card for remote monitoring



Smart Servicing with MSC Card

- Enable redundant systems setup to reduce urgent service calls.
- “Out-of-the-box” Wi-Fi Direct support with antenna included.
- Easy access to system without the need of climbing ladder with Wi-Fi Direct.
- Intuitive, graphic rich webserver pages for easy configuration and management.
- Remote monitoring to diagnose systems prior to site visit.



Part Number	Description	List Price (US\$)
28918302S	Multi-system Control (MSC) with Lead-lag Card Field Mount Kit	\$1,630

intelliGen™ Retrofit Kits for Beacon II and QRC Controls

intelliGen™ retrofit kits unite your existing Heatcraft Beacon II™ Refrigeration Controller or Quick Response Controller™ (QRC) systems into ONE smart, intuitive control platform.



“Plug-n-Play”, retrofit in less than 30 minutes.



Simple setup with intelliGen™ Quick Start

ONE

The Power of ONE platform, easy to maintain and operate



Model Family	Defrost Type	Voltage/Phase	Model Size	Color Finish	Retrofit Kit Part #	List Price
Low Profile (LOP)	Air & Electric	115/1 208-230/1	All	Stucco	89730101	\$1,656
				White	89730102	\$1,656
Center Mount (CM) Low Velocity Center Mount (LVCM)	Air & Electric	115/1 208-230/1	CM: All ¹ LVCM: 050/075 ²	Stucco	89730201	\$1,656
				White	89730202	\$1,656
			LVCM: 100 ²	Stucco	89730205	\$1,656
				White	89730206	\$1,656
				Stucco	89730209	\$1,656
				White	89730210	\$1,656
Medium Profile (MP)	Air	115-230/1	All	Stucco	89730301	\$1,760
				White	89730302	\$1,760
		460/1		Stucco	89730303	\$1,760
				White	89730304	\$1,760
	Electric	208-230/3	All	Stucco	89730305	\$1,760
				White	89730306	\$1,760
		208-230/3 with >30A Heater ³		Stucco	89730307	\$1,760
				White	89730308	\$1,760
		460/3		Stucco	89730309	\$1,760
				White	89730310	\$1,760
Large Unit Cooler (LUC)	Air	230-460/1	24" Fan	Plain Aluminum	89730401	\$1,760
			30" Fan		89730402	\$1,760
		230-575/3	24" Fan		89730403	\$1,760
			30" Fan		89730404	\$1,760
			30" Fan		89730405 ⁴	\$3,519
			30" Fan		89730406	\$1,760
	Electric	230-460/1	24" Fan		89730407	\$1,760
			30" Fan		89730408	\$1,760
		208-230/3	24" Fan		89730409	\$1,760
			30" Fan		89730410	\$1,760
		460/3	24" Fan		89730411	\$1,760
			30" Fan		89730412	\$1,760
		575/3	24" Fan		89730413	\$1,760
			30" Fan		89730414 ⁴	\$3,519
			30" Fan			
			30" Fan			

Notes:

- Center Mount unit cooler models use 89730201 or 89730202 kit part numbers only.
- Low Velocity Center Mount unit cooler models are based on the capacity digits in the model number for the kit size and part number.
- Medium Profile unit coolers have greater than 30 Amp draw with large defrost heaters use kit part number 89730307 and 89730308.
- Part number 89730405 and 89730414 have two IntelliGen controls for dual circuited LUCs.

Unit mounted IntelliGen is not available for Low Profile models with 208-230/3/60 and 460/1/60, and not available for Low Velocity Center Mount models with 460/1/60. IntelliGen Field Mount (iFM) kit could be used for these models. Ask Heatcraft sales representatives for details.

intelliGen™ Ship Loose or Service Parts

Part Number	Description	List Price (US \$)
Field Mount Kit		
59755002	intelliGen Field Mount (iFM) Kit with 25ft sensor lead wires	\$1,967
Power Harness		
22699903	15ft harness for power, fan, defrost heater, solenoid valve	\$445
22699902	25ft harness for power, fan, defrost heater, solenoid valve	\$735
22699901	40ft harness for power, fan, defrost heater, solenoid valve	\$1,087
Temperature Sensors		
89904903	Temperature Sensor Kit - White Leads, 3ft	\$82
59755302	15ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	\$279
59755301	40ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	\$404
Pressure Transducer & Harnesses		
28911202	Pressure Transducer 0 - 300 PSIA	\$380
22515107	Pressure Transducer Harness, 15ft	\$93
22515105	Pressure Transducer Harness, 40ft	\$166
Transformers		
22529601	Transformer 120/24 volt - 40 VA	\$76
22529602	Transformer 240/24 volt - 40 VA	\$76
22529603	Transformer 460/24 - 40 VA	\$148
22529701	Transformer 575/24 - 40 VA	\$347
Electronic Expansion Valve (EXV) & Cables		
29326101	Carel EXV E2V11FWAE0 - 3/8" x 3/8" Conn	\$1,307
29326201	Carel EXV E2V24FWAE0 - 3/8" x 3/8" Conn	\$1,307
29326401	Carel EXV E2V24FSME0 - 5/8" X 5/8" Conn	\$1,307
29326501	Carel EXV E3V45ASTE0 - 7/8" X 1 3/8" Conn	\$2,568
29326601	Carel EXV E3V55ASTE0 - 7/8" X 1 3/8" Conn	\$2,568
22592201	Cable for Carel EXV, 10ft	\$155
22592103	Cable for Carel EXV, 25ft	\$228
22592102	Cable for Carel EXV, 40ft	\$279
Control Boards		
28918001S	iRC Main Control Board Replacement Kit	\$1,333
28918201S	iRCUI User Interface Replacement Kit	\$901
28918301S	iWC Webserver Card Replacement Kit	\$1,181
28918302S	Multi-system Control with Lead-lag (MSC) Card Field Mount Kit	\$1,630
28918401S	iIC Integration Card Replacement Kit	\$683
UI to iRC Ribbon Cables		
22602101	For Center Mount/Low Velocity Center Mount Unit Cooler, 8" Replacement Kit	\$168
EV-COM Cable		
22596801	EV-COM Cable 28" for Large Unit Cooler DUAL iRC Board Replacement Kit	\$828
Door Switch		
22543102	Door Switch Kit (includes door switch and 2 ft cable)	\$306