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 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)

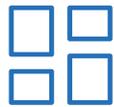| Part Number	Description	List Price (US$)
59755002	intelliGen Field Mount (iFM) Kit with 25ft sensor lead wires	$2,600

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

Organize systems into sections and zones for better management

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

Wi-FI Direct with antenna included

Single dashboard provides a summary view of all systems

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

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	$1,575

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 mantain 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	$2,200
				White	89730102	$2,200
Center Mount (CM) Low Velocity Center Mount (LVCM)	Air & Electric	115/1 208-230/1	CM: All[1] LVCM: 050/075[2]	Stucco	89730201	$2,200
				White	89730202	$2,200
			LVCM: 100[2]	Stucco	89730205	$2,200
				White	89730206	$2,200
			LVCM: 130 to 340[2]	Stucco	89730209	$2,200
				White	89730210	$2,200
Medium Profile (MP)	Air	115-230/1	All	Stucco	89730301	$2,300
				White	89730302	$2,300
		460/1		Stucco	89730303	$2,300
				White	89730304	$2,300
	Electric	208-230/3	All	Stucco	89730305	$2,300
				White	89730306	$2,300
		208-230/3 with >30A Heater[3]		Stucco	89730307	$2,300
				White	89730308	$2,300
		460/3		Stucco	89730309	$2,300
				White	89730310	$2,300
Large Unit Cooler (LUC)	Air	230-460/1	24" Fan	Plain Aluminum	89730401	$2,500
			30" Fan		89730402	$2,500
		230-575/3	24" Fan		89730403	$2,500
			30" Fan		89730404	$2,500
			30" Fan		89730405[4]	$5,000
	Electric	230-460/1	24" Fan		89730406	$2,500
			30" Fan		89730407	$2,500
		208-230/3	24" Fan		89730408	$2,500
			30" Fan		89730409	$2,500
		460/3	24" Fan		89730410	$2,500
			30" Fan		89730411	$2,500
		575/3	24" Fan		89730412	$2,500
			30" Fan		89730413	$2,500
			30" Fan		89730414[4]	$5,000

Notes:
1. Center Mount unit cooler models use 89730201 or 89730202 kit part numbers only.
2. Low Velocity Center Mount unit cooler models are based on the capacity digits in the model number for the kit size and part number.
3. Medium Profile unit coolers have greater than 30 Amp draw with large defrost heaters use kit part number 89730307 and 89730308.
4. 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

Type	Description	Part#	List Price
Field Mount Kit	intelliGen Field Mount (iFM) Kit with 25ft sensor lead wires	59755002	$2,600
Power Harness	15ft harness for power, fan, defrost heater, solenoid valve	22699903	$500
	25ft harness for power, fan, defrost heater, solenoid valve	22699902	$830
	40ft harness for power, fan, defrost heater, solenoid valve	22699901	$1,230
Temperature Sensors	Temperature Sensor Kit - White Leads, 3ft	89904903	$77
	15ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	59755302	$270
	40ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	59755301	$390
Pressure Transducer & Harnesses	Pressure Transducer 0 - 300 PSIA	28911202	$356
	Pressure Transducer Harness, 15ft	22515107	$110
	Pressure Transducer Harness, 40ft	22515105	$190
Transformers	Transformer 120/24 volt - 40 VA	22529601	$113
	Transformer 240/24 volt - 40 VA	22529602	$114
	Transformer 460/24 - 40 VA	22529603	$139
	Transformer 575/24 - 40 VA	22529701	$191
Electronic Expansion Valve (EXV) & Cables	Carel EXV E2V11FWAE0 - 3/8" x 3/8" Conn	29326101	$1,226
	Carel EXV E2V24FWAE0 - 3/8" x 3/8" Conn	29326201	$1,226
	Carel EXV E2V24FSME0 – 5/8" X 5/8" Conn	29326401	$1,226
	Carel EXV E3V45ASTE0 – 7/8" X 1 3/8" Conn	29326501	$2,409
	Carel EXV E3V55ASTE0 – 7/8" X 1 3/8" Conn	29326601	$2,409
	Cable for Carel EXV, 10ft	22592201	$146
	Cable for Carel EXV, 25ft	22592103	$260
	Cable for Carel EXV, 40ft	22592102	$320
Control Boards	iRC Main Control Board Replacement Kit	28918001S	$1,250
	iRCUI User Interface Replacement Kit	28918201S	$846
	iWC Webserver Card Replacement Kit	28918301S	$1,108
	Multi-system Control (MSC) with Lead-lag Card Field Mount Kit	28918302S	$1,575
	iIC Integration Card Replacement Kit	28918401S	$641
UI to iRC Ribbon Cables	For Center Mount/Low Velocity Center Mount Unit Cooler, 8" Replacement Kit	22602101	$157
	For Low Profile Unit Cooler, 14" Replacement Kit	22602102	$309
	For Medium Profile and Large Unit Cooler, 24" Replacement Kit	22602104	$467
	For Large Unit Cooler 35" Replacement Kit	22602103	$621
EV-COM Cable	EV-COM Cable 28" for Large Unit Cooler DUAL iRC Board Replacement Kit	22596801	$777
Door Switch	Door Switch Kit (includes door switch and 2 ft cable)	22543102	$287