

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	\$2,026

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



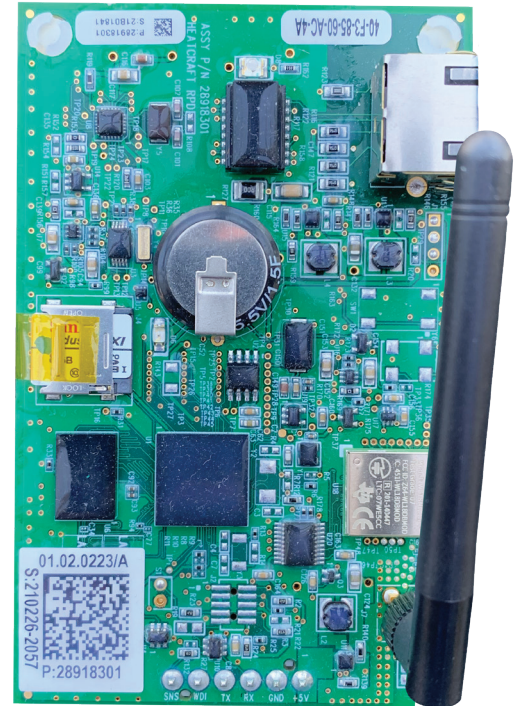
Single dashboard provides a summary view of all systems



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	\$1,739

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.



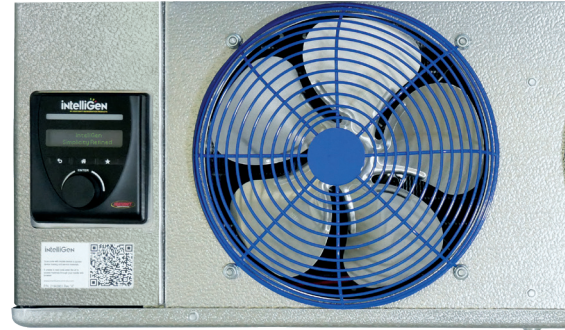
“Plug-n-Play”, retrofit in less than 30 minutes.



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	\$1,765
				White	89730102	\$1,765
Center Mount (CM) Low Velocity Center Mount (LVCM)	Air & Electric	115/1 208-230/1	CM: All ¹ LVCM: 050/075 ²	Stucco	89730201	\$1,765
				White	89730202	\$1,765
			LVCM: 100 ²	Stucco	89730205	\$1,765
				White	89730206	\$1,765
				Stucco	89730209	\$1,765
				White	89730210	\$1,765
Medium Profile (MP)	Air	115-230/1	All	Stucco	89730301	\$1,877
				White	89730302	\$1,877
		460/1		Stucco	89730303	\$1,877
				White	89730304	\$1,877
	Electric	208-230/3	All	Stucco	89730305	\$1,877
				White	89730306	\$1,877
				Stucco	89730307	\$1,877
		208-230/3 with >30A Heater ³		White	89730308	\$1,877
				Stucco	89730309	\$1,877
				White	89730310	\$1,877
Large Unit Cooler (LUC)	Air	230-460/1	Plain Aluminum	89730401	\$1,877	
				89730402	\$1,877	
		230-575/3		89730403	\$1,877	
				89730404	\$1,877	
				89730405 ⁴	\$3,751	
				89730406	\$1,877	
	Electric	230-460/1		89730407	\$1,877	
				89730408	\$1,877	
		208-230/3		89730409	\$1,877	
				89730410	\$1,877	
		460/3		89730411	\$1,877	
				89730412	\$1,877	
				575/3	89730413	\$1,877
					89730414 ⁴	\$3,751

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	\$2,026
Power Harness		
22699903	15ft harness for power, fan, defrost heater, solenoid valve	\$475
22699902	25ft harness for power, fan, defrost heater, solenoid valve	\$784
22699901	40ft harness for power, fan, defrost heater, solenoid valve	\$1,159
Temperature Sensors		
89904903	Temperature Sensor Kit - White Leads, 3ft	\$88
59755302	15ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	\$298
59755301	40ft sensor kit (3 temperature sensors, 1 pressure transducer harness)	\$431
Pressure Transducer & Harnesses		
28911202	Pressure Transducer 0 - 300 PSIA	\$406
22515107	Pressure Transducer Harness, 15ft	\$99
22515105	Pressure Transducer Harness, 40ft	\$177
Transformers		
22529601	Transformer 120/24 volt - 40 VA	\$81
22529602	Transformer 240/24 volt - 40 VA	\$81
22529603	Transformer 460/24 - 40 VA	\$159
22529701	Transformer 575/24 - 40 VA	\$370
Electronic Expansion Valve (EXV) & Cables		
29326101	Carel EXV E2V11FWAE0 - 3/8" x 3/8" Conn	\$1,394
29326201	Carel EXV E2V24FWAE0 - 3/8" x 3/8" Conn	\$1,394
29326401	Carel EXV E2V24FSME0 - 5/8" X 5/8" Conn	\$1,394
29326501	Carel EXV E3V45ASTE0 - 7/8" X 1 3/8" Conn	\$2,738
29326601	Carel EXV E3V55ASTE0 - 7/8" X 1 3/8" Conn	\$2,738
22592201	Cable for Carel EXV, 10ft	\$165
22592103	Cable for Carel EXV, 25ft	\$243
22592102	Cable for Carel EXV, 40ft	\$298
Control Boards		
28918003S	iRC Main Control Board Replacement Kit	\$1,421
28918201S	iRCUI User Interface Replacement Kit	\$961
28918301S	iWC Webserver Card Replacement Kit	\$1,260
28918302S	Multi-system Control with Lead-lag (MSC) Card Field Mount Kit	\$1,739
28918401S	iIC Integration Card Replacement Kit	\$728
UI to iRC Ribbon Cables		
22602101	For Center Mount/Low Velocity Center Mount Unit Cooler, 8" Replacement Kit	\$179
EV-COM Cable		
22596801	EV-COM Cable 28" for Large Unit Cooler DUAL iRC Board Replacement Kit	\$883
Door Switch		
22543102	Door Switch Kit (includes door switch and 2 ft cable)	\$327