



EWPlus Series

ELECTRONIC REFRIGERATION CONTROL KIT



Your Universal Digital Control

The Eliwell **EWPlus** Series is the smart solution for self-contained refrigerated units. With just four universal models, you can meet the needs for virtually any commercial refrigeration application.

Each **EWPlus** model is easy to select, configure and use. Plus, each control helps you deliver custom solutions to meet your customer's energy saving requirements.

The **EWPlus** Series also offers a USB Unicard for rapid parameter configuration and duplication. Designed specifically for the **EWPlus** controls, the Unicard leverages the power of our DeviceManager software and eliminates the need for third-party interfaces and licenses.

For unbeatable quality and reliability, join the professionals who have used innovative Eliwell controls for over 25 years. With the **EWPlus** Series, you can offer your customers the maximum control and confidence for a wide range of refrigeration applications.

Kit Contents:

EWPlus Controller
IP67 Rated Probe(s)
Mounting Clips
Installation Manual

Features and Benefits

The Eliwell™ **EWPlus** Electronic Refrigeration Control Kit offers versatility and high performance for your refrigeration cabinet needs. The **EWPlus** family of controls are easy to use and provide full cabinet control.

Easy to Select

- Four universal models to cover all applications

Easy to Use

- Simple and intuitive menus for rapid learning
- Display features large digits and colorful icons for at-a-glance operating status monitoring
- Simplified installation with high quality screw connectors and slide-in clips for easy mounting

Easy to Configure

- USB Unicard for fast programming

Quality Features

- High duty compressor contact output up to 1Hp at 120V AC, or 2Hp at 230V AC
- Full cabinet control with up to 3 relay contacts, 2 temperature probes and 1 digital input
- Compressor short cycle protection
- Defrost management
- Door switch control
- Full alarm management

Suggested Applications

Self-Contained Refrigeration Units such as:

- Upright cooler / freezer
- Display cases
- Bottle cooler
- Chest freezers

Remote Refrigeration Cases such as:

- Reach-in multi-deck displays
- Deli island
- Glass door
- Bakery cases

Warming Holding Units such as:

- Hot tables
- Hot plates
- Warming cabinets

Condensing Refrigeration Units / Chillers

1 Year
Limited
Warranty

An ISO 9001 – 2008 Certified Company





EWPlus Series

ELECTRONIC REFRIGERATION CONTROL KIT

Ordering Information for 115V AC models

Model Number	Part Number
EWPlus 902	EW11YIOXB4A04
EWPlus 961	EW17YIOXB4A04
EWPlus 971	EW29YIOXC4A04
EWPlus 974	EW2EYIOXC4A04

Ordering Information for 230V AC models

Model Number	Part Number
EWPlus 902	EW11YIOXB4B04
EWPlus 961	EW17YIOXB4B04
EWPlus 971	EW29YIOXC4B04
EWPlus 974	EW2EYIOXC4B04

Cross Reference

DIXELL	XR10C	EWPlus 902
	XR110C	EWPlus 902
	XT10C	EWPlus 902
	XT110C*	EWPlus 902
	XR120C	EWPlus 961
	XR20C	EWPlus 961
	XR20S	EWPlus 971
	XR40C	EWPlus 971
FULL GAUGE	MT-516C	EWPlus 971
	MT-516CFT	EWPlus 974
	MT-516CVT	EWPlus 971
	MT-516CVTM	EWPlus 971
	MT-516Ri	EWPlus 971
CAREL	PJ32Y	EWPlus 971
	IR32Y	EWPlus 971
DANFOSS	EKC202A	EWPlus 971
	EKC202B	EWPlus 974
EVERY CONTROL	FK150-151	EWPlus 902
	FK200	EWPlus 961
	FK202	EWPlus 971
	FK203	EWPlus 974

* Only NTC input versions

Technical Attributes

Applications	EWPlus 902 - Medium temperature cooler/cases; warm temperature holding cases EWPlus 961 - Medium temperature cooler cases; warm temperature holding cases EWPlus 971 - Medium temperature cooler/cases EWPlus 974 - Low temperature freezer	
Relays	EWPlus 902 - 1 Relay - Compressor EWPlus 961 - 1 Relay - Compressor EWPlus 971 - 2 Relays - Compressor and defrost EWPlus 974 - 3 Relays - Compressor, defrost, and fan	
Power Supply	115V AC or 230V AC (+10% / -10%) 50/60 Hz	
Analog Inputs	1 NTC probe (EWPlus 902/961) 2 NTC probes (EWPlus 971/974)	
Digital Input	1 dry contact	
Digital Outputs	120V AC	240V AC
	EWPlus 902 - 1 SPDT 8(4)A	1 SPDT 8(4)A
	EWPlus 961 - 1 SPST 16 FLA 96 LRA	1 SPST 12 FLA 72 LRA
	EWPlus 971 - 1 SPDT 8(4)A 1 SPST 16 FLA 96 LRA	1 SPDT 8(4)A 1 SPST 12 FLA 72 LRA
	EWPlus 974 - 1 SPDT 8(4)A 1 SPST 16 FLA 96 LRA 1 SPST 3A 1.4 FLA 7.5 LRA	1 SPDT 8(4)A 1 SPST 12 FLA 72 LRA 1 SPST 3A 1.4 FLA 7.5 LRA
Defrost	EWPlus 902 - Off cycle EWPlus 961 - Off cycle EWPlus 971 - Off cycle, electric or hot gas EWPlus 974 - Off cycle, electric or hot gas	
Dimensions	Control - Front 2-15/16" x 1-1/4" (74x32mm), depth 2-15/16" (59mm) Probe Tip - 1/4" diameter and 9/16" length (5mm diameter and 15mm length) Probe Length - 9'10" (3m)	
Mounting	Panel mounting with 2-13/16" x 1-1/8" (71x29mm)	
Display	3 digits and + or - symbol	
Icons	8 color icons	
Display Range	NTC: -50°C to +110°C (-58°F to +230°F)	

Accessories

The new USB Unicaard is a memory device for rapid parameter configuration and duplication, specifically designed for controls in the EWPlus family.

By downloading the DeviceManager software from the secure area of the www.eliwell.com website, you can read and write parameter lists on the UNICARD without having to use other interfaces or licenses.

USB Unicaard Ordering Information

Part Number	Description
CCA0BHT00UU00	USB/TTL Unicaard



inven.sys
Controls

191 E. North Avenue
Carol Stream, Illinois 60188 USA
Customer Service Telephone 1.800.304.6563
Customer Service Facsimile 1.800.426.0804
HVACCustomerService@Invensys.com

For Technical Service
Telephone 1.800.445.8299
Facsimile 1.630.260.7294
TechnicalService@Invensys.com

Invensys™, Uni-Line® and Eliwell™ are trademarks of Invensys plc., its subsidiaries and/or affiliated companies. All other brands mentioned may be the trademarks of their respective owners.

www.Uni-Line.com
www.InvensysControls.com
©2011 Invensys Controls
10/11 – 150-2313