

Dixell Universal Controller



Universal XR Replacement Controller

Universal Images



Introduction

- The Universal - XR controller offers a 7 in 1 solution for Heating/ Medium & Low Temperature/ Defrost/ Fans/ Alarms etc. in just one control.
- It is equipped with a flashing visual alarm and buzzer. Each instrument is fully configurable through special parameters that can be easily programmed through the keypad.

Key Features

- Electric or hot gas defrost.
- Faulty probe On/Off adjustable compressor run times.
- Continuous Cycle thermostat override
- Energy saving cycles through digital input.
- One touch recall of high and low temps.
- XWEB/ Monitoring system connection.
- Hot Key programming and backup available.
- Keypad lockout

Universal XR Support

- Updated Instruction Sheet With QR Code
- Updated Technical Slides
- youtube instruction videos
- Online training module
- New Full Line Brochure
- Universal XR Display Card



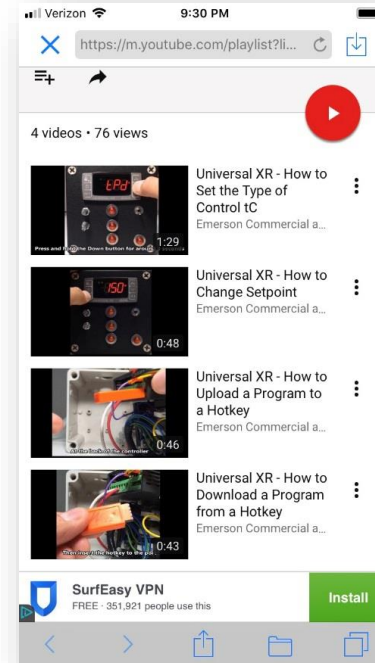
DIXELL™
UNIVERSAL REPLACEMENT CONTROLLER
INCLUDES: (2) NTC 5' PROBES

- Convenient, versatile, easy to install
- Designed to Replace over 150 Models of heating and refrigeration controllers
- Available 120V/230V and 12/24V
- Automatic Probe Detection
- 7 Pre-configured application parameters
- Saves you Time and Money

REPLACES:
XR110C, XR10C, XR10CX, XR01CX
XR120C, XR20C, XR20CX, XR02CX
XR130C, XR30C, XR30CX, XR03CX
XR140C, XR40C, XR40CX, XR04CX
XR160C, XR60C, XR60CX, XR06CX

NSF
XR50CX-UR

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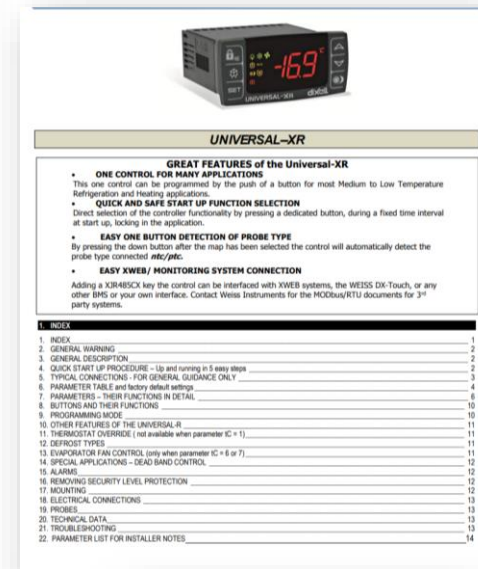


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https://m.youtube.com/playlist?li...

4 videos · 76 views

- Universal XR - How to Set the Type of Control tC
Emerson Commercial a... 1:29
- Universal XR - How to Change Setpoint
Emerson Commercial a... 0:48
- Universal XR - How to Upload a Program to a Hotkey
Emerson Commercial a... 0:46
- Universal XR - How to Download a Program from a Hotkey
Emerson Commercial a... 0:43

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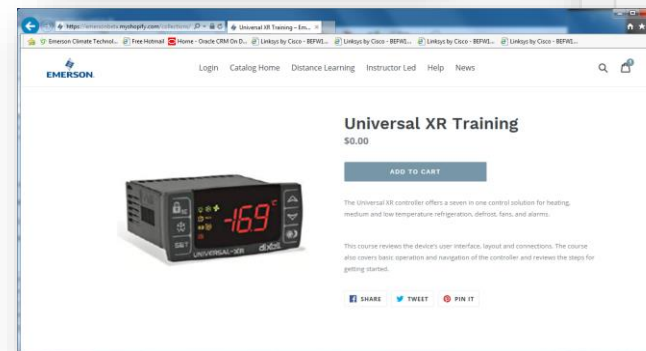
UNIVERSAL-XR

GREAT FEATURES of the Universal-XR

- **ONE CONTROL FOR MANY APPLICATIONS**
This one control can be programmed by the push of a button for most Medium to Low Temperature Refrigeration and Heating applications.
- **QUICK AND SAFE START UP FUNCTION SELECTION**
Direct selection of the controller functionality by pressing a dedicated button, during a fixed time interval at start up, taking in the application.
- **EASY ONE BUTTON DETECTION OF PROBE TYPE**
By pressing the down button after the map has been selected the control will automatically detect the probe type connected *auto/ptc*.
- **EASY BMS/ MONITORING SYSTEM CONNECTION**
Adding a XIR45CIX key the control can be interfaced with XWEB systems, the WESSS DX-Touch, or any other BMS or your own interface. Contact Weiss Instruments for the MODbus/RTU documents for 3rd party systems.

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Universal XR Training
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ADD TO CART

The Universal XR controller offers a seven in one control solution for heating, medium and low temperature refrigeration, defrost, fans, and alarms.

This course reviews the device's user interface, layout and connections. The course also covers basic operation and navigation of the controller and reviews the steps for getting started.

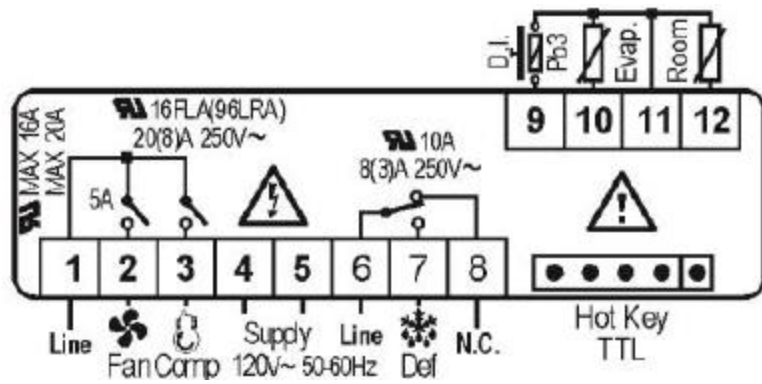
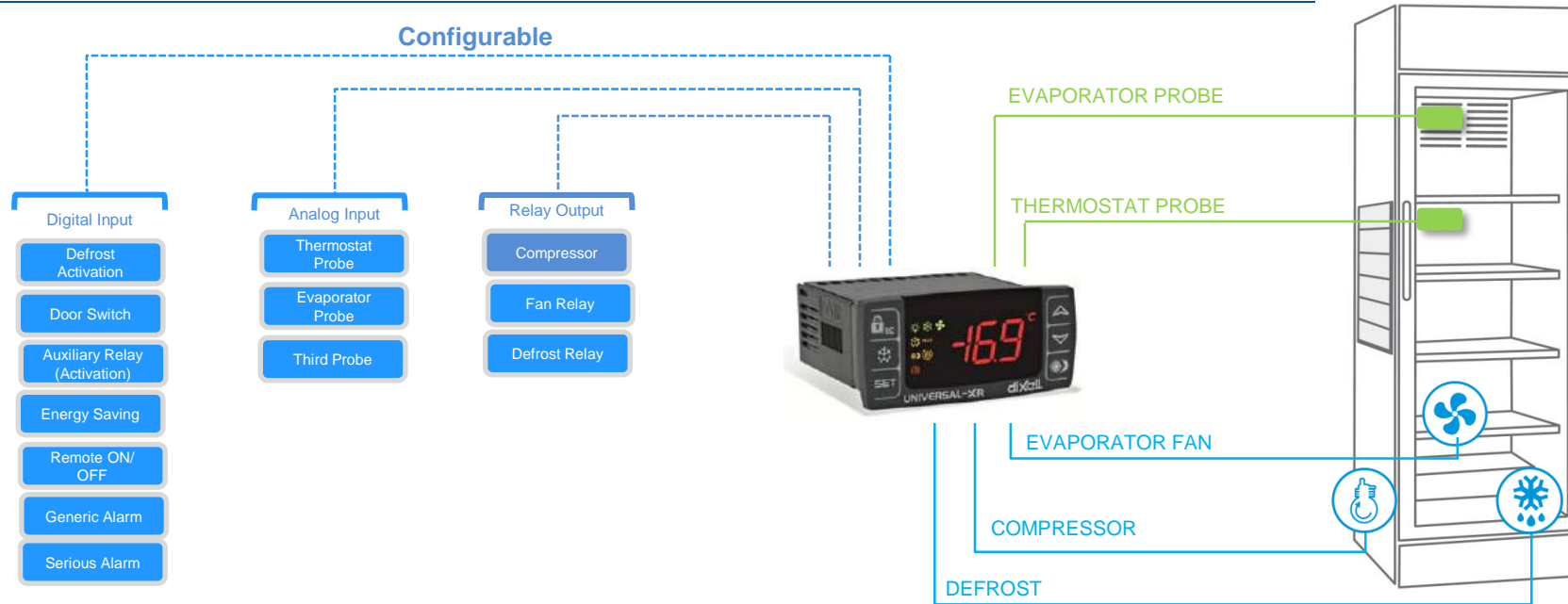
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Control Types

Parameter	Settings	Type of Control
tC	1	Heating, On / Off thermostat
	2	Cooling, Off Cycle Defrost, Time Ended
	3	Cooling, Off Cycle Defrost, Temperature Ended
	4	Cooling, Off Cycle Defrost, Temperature Ended, Alarm Relay
	5	Cooling, Electric or Hot Gas Defrost Temperature Ended
	6	Cooling, Elec. Or Hot Gas Defrost, Temp. Ended, Fan Control
	7	Open Map to be Configured for any application

TC = 6 Low Temp, Elec or Hot Gas Defrost, Temp Ended, Fan Control



Features

- Hot Key Parameter Programming
- 3 Relays & 3 Probes
- XJ485-CX Connectivity
- Electric/Hot Gas Defrost
- X-WEB Communication

Instruction Sheet

Universal-XR60CX

The all in one control



General description of the Universal-XR

The Universal-XR has been developed to allow for the refrigeration technicians to replace any refrigeration control easily with just three SKUs stocked on their Service Truck. With three voltage options: 12/24Vac/dc, 120Vac, and 230Vac. With the press of a few buttons the control can be set up to replace such Dixel controls: XR10CX, XR10CX, XR110CX, XR20CX, XR20CX and CX, XR120CX, XR20CX, XR20CX, XR20CX, XR40CX, XR60CX, XR60CX, XR160CX and many other manufacturers' controls.

1. Quick start up procedure - Up and running in 5 easy steps

First, please be sure you've got the control that is the correct voltage. For 12 or 24 volt controls use XR60CX-AN1F1, for 120 volt applications use XR60CX-4N1F1, and for 230 volt use the XR60CX-3N1F1. This Quick Start Up section is designed to get you up and running with the minimum of fuss. Just follow these 5 simple steps.

STEP	Icon	Description
STEP 1		Install the new Universal-XR, connect the correct number of probes and connect the wiring. See below: 1. Table 1: parameter TC settings, 2. Table 2: Typical connections
STEP 2		Turn on power, THEN WITHIN 1 MINUTE COMPLETE STEPS 3, 4 AND 5.
STEP 3		Press the "DOWN" key for 3 seconds and the controller will automatically recognise and adjust itself to the type of probes connected. (The display briefly shows TP# followed by wTC or FIC).
STEP 4		Press the "AUX/TC" key for 3 seconds and the setting of parameter TC is displayed. Use the UP or DOWN keys to adjust to required setting then confirm by pressing SET (see table 1 below).
STEP 5		Press SET for 3 seconds until the 'C' or 'F' icon starts to flash, then adjust the SET POINT using the UP or DOWN keys, then press SET again to confirm.

NOTE: You must complete these steps within 1 minute or you will have to power the control OFF then ON to start set up again or enter the parameters as per the full instructions and adjust your TC parameter settings manually.

Table 1: parameter "TC" settings

Parameter TC	Type of control	Models replaced	Required probes
1	On / Off thermostat - Heating	XR81CX, XR10CX, XR10CX	x 1
2	Off cycle defrost (time)	XR82CX, XR20CX, XR20CX	x 1
3	Off Cycle defrost time initiated / temperature terminated	XR82CX, XR20CX	x 2
4	Off Cycle defrost time initiated / temperature terminated, Alarm Relay	XR82CX, XR20CX	x 2
5	Electrical / Hot Gas defrost, time initiated / temperature terminated	XR84CX, XR40CX	x 2
6	Electrical / Hot Gas defrost, time initiated / temperature terminated + evap. Fan delay and control	XR88CX, XR60CX	x 2
7	Full open map of parameters configure your own control	Your determination	1 to 7

NOTE: As you change the parameter "TC", defaults change and should be approximately correct for that application but we strongly recommend you check all parameter default values listed in the full instructions to ensure they suit your particular application and make further adjustments if necessary.

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2. Change over from F to C or vis-versa

1. Hold the Set & Down (▼) buttons, until MY1 is displayed, release both buttons then hold the Set and Down (▼) buttons until Pr2 is displayed. Release the buttons.

2. Scroll down and adjust the ALL, ALU, FST, AFM, ALM, LS, US, RES as well as the HY.

3. Scroll with the Up (▲) button to Cr, then press and release Set. Change the 1 to 8, then press and release Set.

4. Let the control time out to the temp display. Adjust the Set temp by holding the Set until the C or F starts to flash, adjust the set point.

3. Typical connections - for general guidance only

Table 2: typical connections

<p>TC=1 Heating</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>	<p>TC=2 Cooling, Off Cycle Defrost, Time Ended</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>
<p>TC=3 Cooling, Off Cycle Defrost, Temperature Ended</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>	<p>TC=4 Cooling, Off Cycle Defrost, Temperature Ended, Alarm Relay</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>
<p>TC=5 Cooling, Electric or Hot Gas Defrost Temperature Ended</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>	<p>TC=6 Low Temp, Elec. Or Hot Gas Defrost, Temp. Ended, Fan Control</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>
<p>TC=7 Open Map to be Configured for any application</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>	<p>Actual Label on The Control in the Box.</p> <p>For 12/24Vac/dc use terminals 4 & 5</p>

Scan this code for the full manual



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