UNIVERSAL XR CONTROLLER
MICRO-PROCESSOR CONTROLLER FOR APPLICATIONS
ON HIGH, MEDIUM OR LOW TEMPERATURE REFRIGERATION UNITS.

dixell®

APPLICATION:
Model Universal-XR is a 71x29 mm format microprocessor based controller, suitable for applications on high, medium or low temperature refrigeration units. It is provided with 3 relay outputs to control compressor, defrost which can be both electrical or hot gas and evaporator fans. Where defrost can be terminated by time, it can operate with just one thermostat probe. Where defrost is terminated by temperature, an input for evaporator probe(s) is provided.

FEATURES:
- 1 control for many applications - Can be programmed at 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, locking 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 type of probe connected (NTC/PTC).

NOMENCLATURE: Universal-XR Series

Voltage	Sensor	Options	F/C	Connections
0 = 12 AC/DC 1 = 24 AC/DC 4 = 120 VAC 5 = 230 VAC	N = NTC P = PTC	0 = None 1 = Buzzer	F = F° C = C°	Fast-on

STOCKED IN CDC:

MFR/SH#	Voltage	Sensor	Buzzer	F or C	Conn.
XR60CX-4N1F1-UR	120 VAC	2 NTC provided	Yes	F°	Fast-on
XR60CX-5N1F1-UR	230 VAC	2 NTC provided	Yes	F°	Fast-on

OPERATION:
7-in-1 solution in just one control. Select one of the first 6 preset maps in the application menu to replace virtually any control. The universal-XR advanced map (tc+7) allows total flexibility with inputs and outputs.

PARAMETER "tC" SETTINGS:

Parameter tC	Type of Control	Models Replaced	Required Probes
1	On/Off thermostat – heating	XR110C, XR01CX, XR10C, XR10CX	x 1
2	Off cycle defrost (timed)	XR120C, XR02CX, XR20C, XR20CX	x 1
3	Off cycle defrost time initiated / temperature terminated	XR120C, XR02CX, XR20C-E	x 2
4	Off cycle defrost time initiated / temperature terminated, alarm relay	XR130C, XR03CX, XR30CX	x 2
5	Electrical / hot gas defrost, time initiated / temperature terminated	XR140C, XR04CX, XR40CX	x 2
6	Electrical / hot gas defrost, time initiated / temperature terminated + evaporator fan delay and control	XR160C, XR06CS, XR60CX	x 2
7	Full open map of parameters, configure your own control	Your determination	1 to 3

TC=1 Heating

TC=2 Cooling, Off Cycle Defrost, Time Ended

TC=3 Cooling, Off Cycle Defrost, Temperature Ended

TC=4 Cooling, Off Cycle Defrost, Temperature Ended, Alarm Relay

TC=5 Cooling, Electric or Hot Gas Defrost Temperature Ended

TC6= Low Temp, Elec. Or Hot Gas Defrost, Temp. Ended, Fan Control

TC7= Open Map to be Configured for any application

Actual Label on The Control in the Box.

Load1 is always Comp, or Heat.
Load2 is OAA and Load3 is OAb.