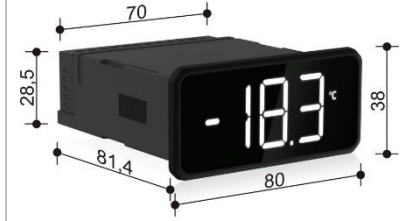
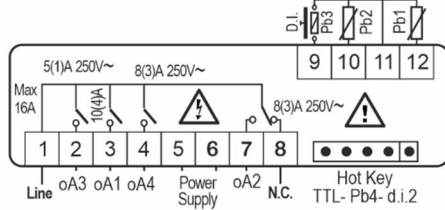
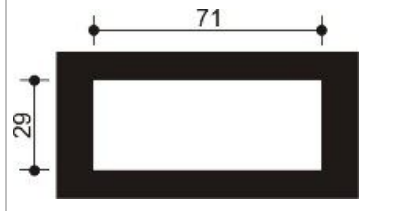
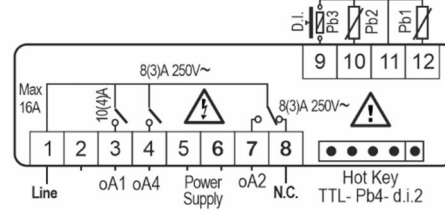


FULL TOUCH – XR30-60-70T

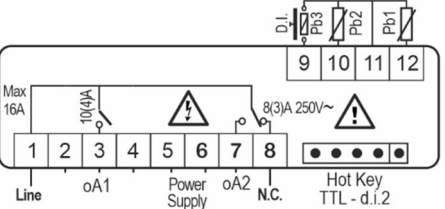
XR70T



XR60T



XR30T



Tutorials & manuals on fulltouch.info

DIXELL
EMERSON

Please put this label near the controller in order to keep all information you need at your fingertips!

CONTACT: dixell.service@emerson.com

SAFETY INFO

- This manual is part of the product and should be kept near the instrument for easy and quick reference.
- The instrument shall not be used for purposes different from those described hereunder. It cannot be used as a safety device.
- Dixell Srl reserves the right to change the composition of its products, even without notice, ensuring the same and unchanged functionality.
- In case of failure or faulty operation, contact the local distributor or "Dixell S.r.l." with a detailed description of the fault.
- The instrument must not be opened.
- Check the application limits and the correct power supply voltage before proceeding.
- Do not expose to water or moisture: use the controller only within the operating limits avoiding sudden temperature changes with high atmospheric humidity to avoid condensation
- Warning: disconnect the power supply and all other electrical connections before any kind of maintenance.
- Observe the maximum current value which can be applied to each relay (see Technical Data).
- Ensure that the wires for probes, loads and the power supply are separated and far enough from each other, without crossing or intertwining.

USER INTERFACE

SCREEN	APPEARANCE	SCREEN	APPEARANCE
Home		Info	
Virtual Keyboard		Programming Mode	

Parameter Menu		Set Point Menu	
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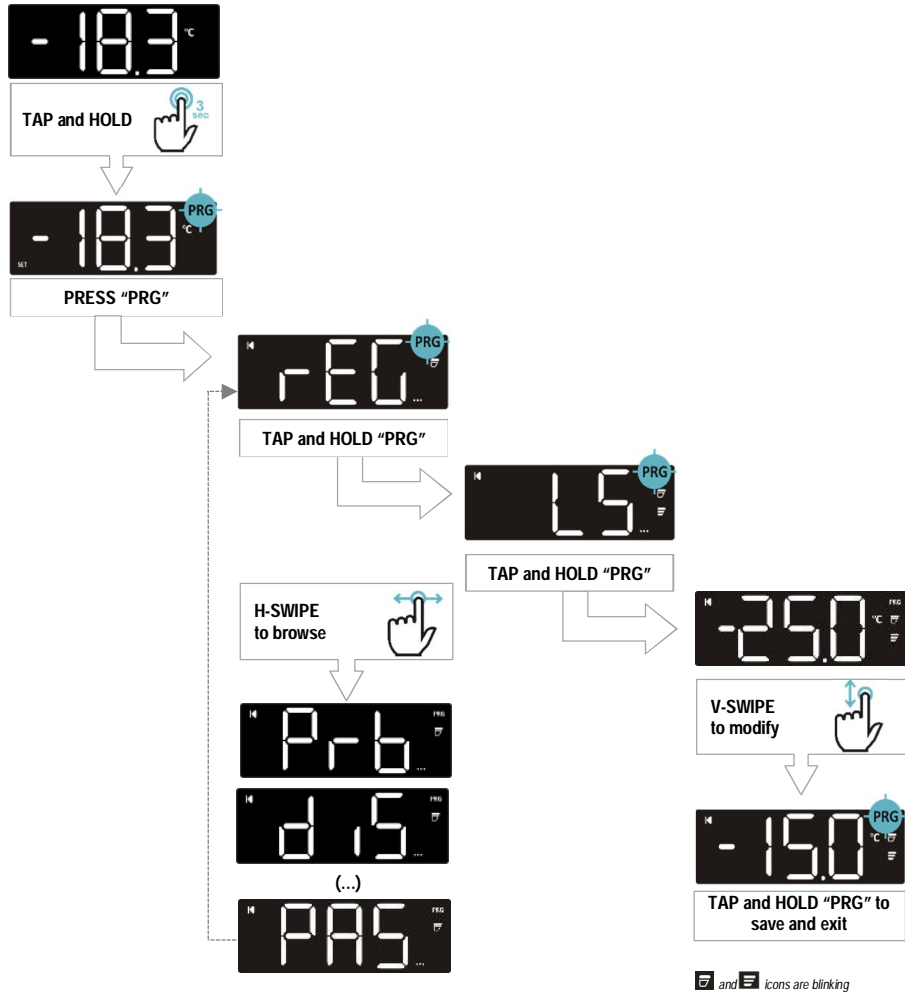
SCREEN NAME	DESCRIPTION
Home	This screen shows temperature value, measurement unit and active alarms only. This is the first screen after power on or after exit from other status.
Virtual Keyboard	This screen shows available functions. Activated function will blink when this screen is visualized.
Info	This screen shows activated functions and regulation outputs (compressor, ventilators)
Programming Mode	This screen enables the modification of the Set point or parameters.
Parameter Menu	These screens enable the modification of all parameter values.
Set Point Menu	This screen enables the modification of the Set Point value.

USER INTERACTION

HOME NAVIGATION	PROG MENU ACTIVATION	SET POINT MODIFICATION	PROG MENU NAVIGATION
H-SWIPE	TAP and HOLD	TAP and HOLD on SET	TAP and HOLD on PRG
H-SWIPE			

GESTURE	HOW-TO	DESCRIPTION
ONE TAP	Press a specific area of the screen with a finger for 1 sec	Switch ON / Switch OFF: when in Virtual Keyboard, use this to turn on/off a specific function. When in Programming mode, use this to select a parameter or a parameter value.
TAP and HOLD	Press any place of the screen with a finger for 3 sec	Enter / Save: use this to enter Programming mode or Parameter menu and to save modifications. When in Virtual Keyboard, use this on the "ONOFF" to switch OFF and ON the device.
H-SWIPE	Drag a finger across the screen, from left to right or from right to left	Browse: use horizontal swipe (right to left or left to right) to browse through HOME, Virtual Keyboard and Info View. When in programming mode: use horizontal swipe to browse through parameter menu.
V-SWIPE	Drag a finger across the screen, from top to bottom or from bottom to top (overlapping only one of the digits)	Modify: use vertical swipe (from top to bottom or bottom to top) to change a parameter value.

PROGRAMMING MENU



TECHNICAL SPECIFICATIONS

FEATURES	DESCRIPTION
Housing	Self-extinguishing PC
Dimensions	Front fascia 38x80 mm; case depth 81mm
Mounting device	Panel, 71x29mm panel cut-out
Degree of Protection	NEMA - UL 50e Indoor use only, Type 1 enclosure IP-IEC/EN 60529 Front panel: IP66 Rear Housing: IP00
Power Supply	230Vac ±10%, 50/60Hz; 110Vac ±10%, 50/60Hz; 100 to 240VAC±10%, 50/60Hz
Overvoltage Category	II
Rated Power	12VAC: 3VA; 110VAC: 4VA; 230VAC: 4VA; 100-240VAC: 3VA

FEATURES	DESCRIPTION																				
Rated Impulse Voltage	2500V																				
Display	White display, LED type, 3 digits with decimal point and multi-function icons																				
Buzzer	Internal, always present																				
Software Class	A																				
Terminal blocks / Terminal Connections	Plug-in or screw terminal block, wire section between 0,5 and 2,5 mm ² Max tightening force: 0.3 N/m for 3,5mm pitch, 0.4 N/m for 5,0mm pitch																				
Data Storing	Real Time Clock: Data maintenance up to 6 months with lithium battery. Other parameters: internal flash.																				
Type of Action	1.B																				
Pollution Degree	2, non-condensing humidity																				
Ambient Operating Temperature and Humidity	IEC/EN 0T60°C; 20-85 rH% (non-condensing humidity) UL-CAN/CSA -20T60°C; 20-85 rH% (non-condensing humidity)																				
Shipping and storage temperature	-40T85°C; 20-85 rH% (non-condensing humidity)																				
Resistance to Heat	UL 94 V-0																				
Measurement range	NTC: -40T110°C, resolution 0.1°C or 1°C (selectable); PT1000: -100T150°C, resolution 0.1°C or 1°C (selectable); PTC: -50T150°C, resolution 0.1°C or 1°C (selectable)																				
Accuracy	±1% compared to the full scale																				
Inputs	Up to 4 NTC, PTC or PT1000 (configurable); Up to 2 voltage free contacts																				
Relay Outputs	<table border="1"> <thead> <tr> <th></th> <th>Nominal</th> <th>UL</th> <th>IEC</th> </tr> </thead> <tbody> <tr> <td>oA1</td> <td>SPST 16A, 250Vac</td> <td>Resistive load 12A (NO), 230Vac, 50K cycles Motor load 240Vac (NO), 10FLA/60LRA, 30K cycles Pilot Duty B300 (NO), 6K cycles</td> <td>10(4)A (NO), 230Vac, 100K cycles</td> </tr> <tr> <td>oA2</td> <td>SPDT 8A, 250Vac</td> <td>Resistive load 10A (NO), 120/240Vac, 30K cycles Motor load ½ HP (NO), 240Vac, 30K cycles Motor load ¼ HP (NO), 120Vac, 30K cycles Pilot duty B300 (NO), 30K cycles</td> <td>8(3)A (NO), 230Vac, 50K cycles</td> </tr> <tr> <td>oA3 (*)</td> <td>SPST 5A, 250Vac</td> <td>Resistive load 5A, 120/240Vac, 50K cycles Motor load 240Vac, 1.9FLA/11.4LRA, 30K cycles Pilot Duty B300, 30K cycles</td> <td>5(1)A, 230Vac, 50K cycles</td> </tr> <tr> <td>oA4 (**)</td> <td>SPST 8A, 250Vac</td> <td>Resistive load 10A (NO), 120/240Vac, 30K cycles Motor load ½ HP (NO), 240Vac, 30K cycles Motor load ¼ HP (NO), 120Vac, 30K cycles Pilot duty B300 (NO), 30K cycles</td> <td>8(3)A (NO), 230Vac, 50K cycles</td> </tr> </tbody> </table>		Nominal	UL	IEC	oA1	SPST 16A, 250Vac	Resistive load 12A (NO), 230Vac, 50K cycles Motor load 240Vac (NO), 10FLA/60LRA, 30K cycles Pilot Duty B300 (NO), 6K cycles	10(4)A (NO), 230Vac, 100K cycles	oA2	SPDT 8A, 250Vac	Resistive load 10A (NO), 120/240Vac, 30K cycles Motor load ½ HP (NO), 240Vac, 30K cycles Motor load ¼ HP (NO), 120Vac, 30K cycles Pilot duty B300 (NO), 30K cycles	8(3)A (NO), 230Vac, 50K cycles	oA3 (*)	SPST 5A, 250Vac	Resistive load 5A, 120/240Vac, 50K cycles Motor load 240Vac, 1.9FLA/11.4LRA, 30K cycles Pilot Duty B300, 30K cycles	5(1)A, 230Vac, 50K cycles	oA4 (**)	SPST 8A, 250Vac	Resistive load 10A (NO), 120/240Vac, 30K cycles Motor load ½ HP (NO), 240Vac, 30K cycles Motor load ¼ HP (NO), 120Vac, 30K cycles Pilot duty B300 (NO), 30K cycles	8(3)A (NO), 230Vac, 50K cycles
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Maximum ampacity on common terminal "Line" (for oAx)	16A																				
I/O port	HOT-KEY: MAX voltage allowed is 5 VDC. DO NOT CONNECT ANY EXTERNAL POWER SUPPLY.																				
Purpose of control	Operating control																				
Construction of control	Incorporated control, intended to be used in Class I or Class II equipment																				
Approvals	R290/R600a: relays tested according to IEC EN60079:0 and IEC EN60079:15 IEC/EN 60730-1; IEC/EN 60730-2-9 UL 60730-1; UL 60730-2-9 CAN/CSA E60730-1; CAN/CSA E60730-2-9																				

(*) XR60T and XR70T only
(**) XR70T only

Dixell S.r.l. - Z.I. Via dell'Industria, 27 - 32016 Alpagò (BL) ITALY
Tel. +39.0437.9833 r.a. - Fax +39.0437.989313 - EmersonClimate.com/Dixell - dixell@emerson.com