

FULL TOUCH - XR70T

5(1)A 250V~ 8(3)A 250V~ 9 10 11 12

Max 16A 10(4)A 8(3)A 250V~

Line oA3 oA1 oA4 Input 100-240Vac 50-60Hz oA2 N.C. Hot Key TTL- Pb4- d.i.2

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!

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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 | |

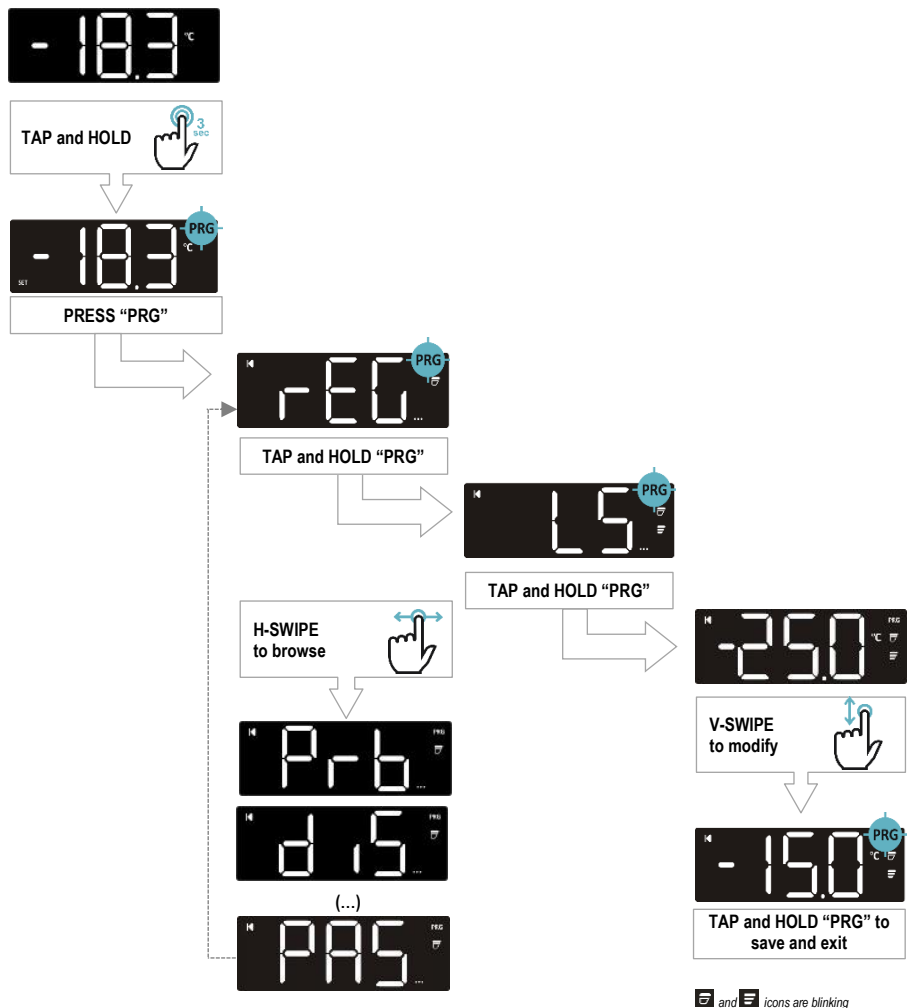
| SCREEN NAME | DESCRIPTION |
|------------------|--|
| Home | This screen shows temperature value, measurement unit and active alarms only. This is the first screen after power on or after exit from other status. |
| Virtual Keyboard | This screen shows available functions. Activated function will blink 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 | | | |
| | | | |
| 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 | Panel mounting, 71x29mm panel cut-out | | | |
| Protection | Body: IP20; Front: IP66 | | | |
| Power Supply | 230Vac ±10%, 50/60Hz; 110Vac ±10%, 50/60Hz; 100 to 240VAC±10%, 50/60Hz; 12VAC ±10% Overvoltage category II | | | |
| Rated Power | 12VAC: 3VA; 110VAC: 4VA; 230VAC: 4VA; 100-240VAC: 3VA | | | |
| Display | White display, LED type, 3 digits with decimal point and multi-function icons | | | |
| Terminal blocks | Plug-in or screw terminal block, wire section between 0,5 and 2,5 mm2 Max tightening force: 0.3 N/m for 3,5mm pitch, 0.4 N/m for 5,0mm pitch | | | |
| Environment | Pollution degree 2, non-condensing humidity | | | |
| Operating Conditions | IEC: 0T60°C; 20-85 rH% (non-condensing humidity) UL: -20T60°C; 20-85 rH% (non-condensing humidity) | | | |
| Storage Conditions | -25T60°C; 20-85 rH% (non-condensing humidity) | | | |
| Resistance to Heat and Fire | UL-V0 | | | |
| 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 | | Nominal | UL | IEC |
| | oA1 | SPST 16A, 250VAC | 10FLA, 60LRA, 30k cycles Pilot Duty B300, 6k cycles | 10(4)A, 250 Vac, 50-60 Hz, 100K cycles |
| | oA2 | SPDT 8A, 250VAC | ½ hp, 240 Vac, 30k cycles Pilot Duty B300, 30k cycles | 8(3)A, 230 Vac, 50-60 Hz, 50K cycles |
| | oA3 | SPST 8A, 250VAC | ½ hp, 240 Vac, 30k cycles Pilot Duty B300, 30k cycles | 8(3)A, 230 Vac, 50-60 Hz, 50K cycles |
| | oA4 | SPST 5A, 250VAC | 1.9FLA, 11.4LRA, 30k cycles Pilot Duty B300, 30k cycles | 5(1)A, 250 Vac, 50-60 Hz, 50K cycles |
| | Action type 1B | | | |
| Real Time Clock | Data maintenance up to 6 months with lithium battery | | | |
| HOT KEY port | MAX voltage allowed is 5 VDC. DO NOT CONNECT ANY EXTERNAL POWER SUPPLY | | | |
| Approvals | R290/R600a: relays tested according to IEC EN60079:0 and IEC EN60079:15 IEC60730-2-9: 2008 (Third Edition) and Am.1:2011 in conjunction with IEC 60730-1:2010 (Fourth Edition) UL 60730-1, 5th edition, dated August 03, 2016 UL 60730-2-9, 4th edition, dated February 14, 2017 CAN/CSA-E60730-1, 5th edition, dated November 01, 2017 CAN/CSA-E60730-2-9:15 3rd edition, dated September, 2015 | | | |

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