Technical Support
Bulletin Nr. 5 – Labels

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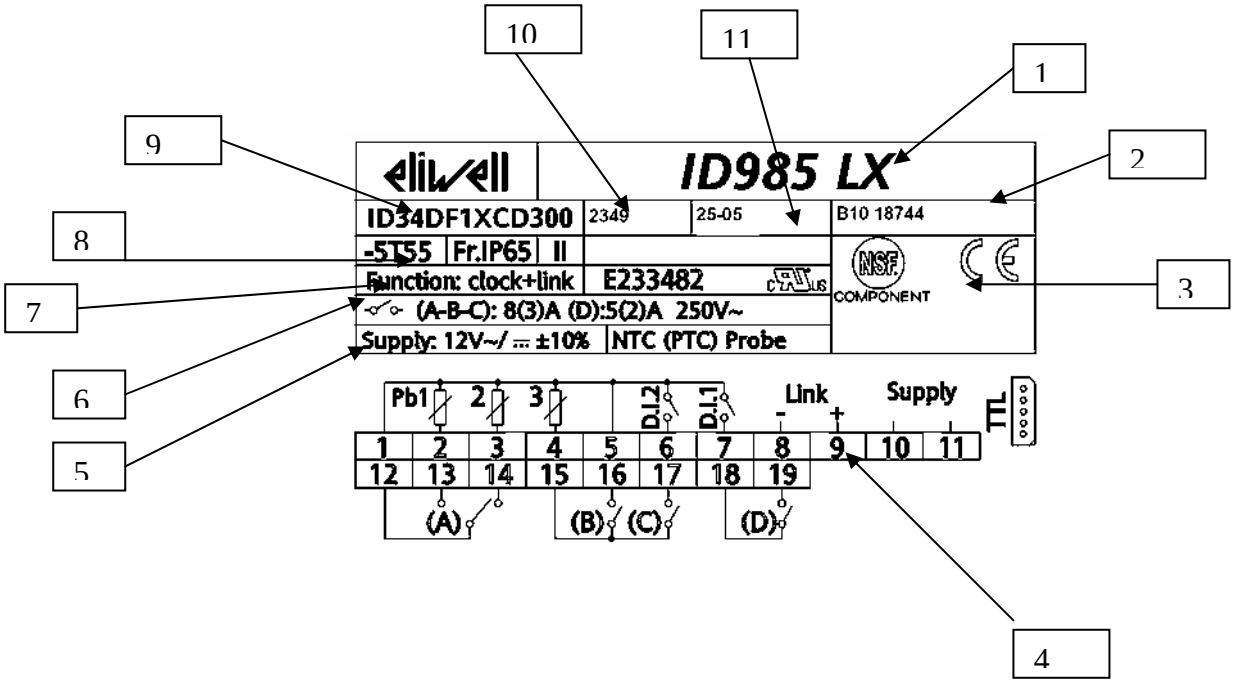
Introduction

This document describes the information on the labels of instruments to be used in the commercial refrigeration and air conditioning sectors.

Description of information on instrument labels

Examples of labels with a description of the information on them are included below.

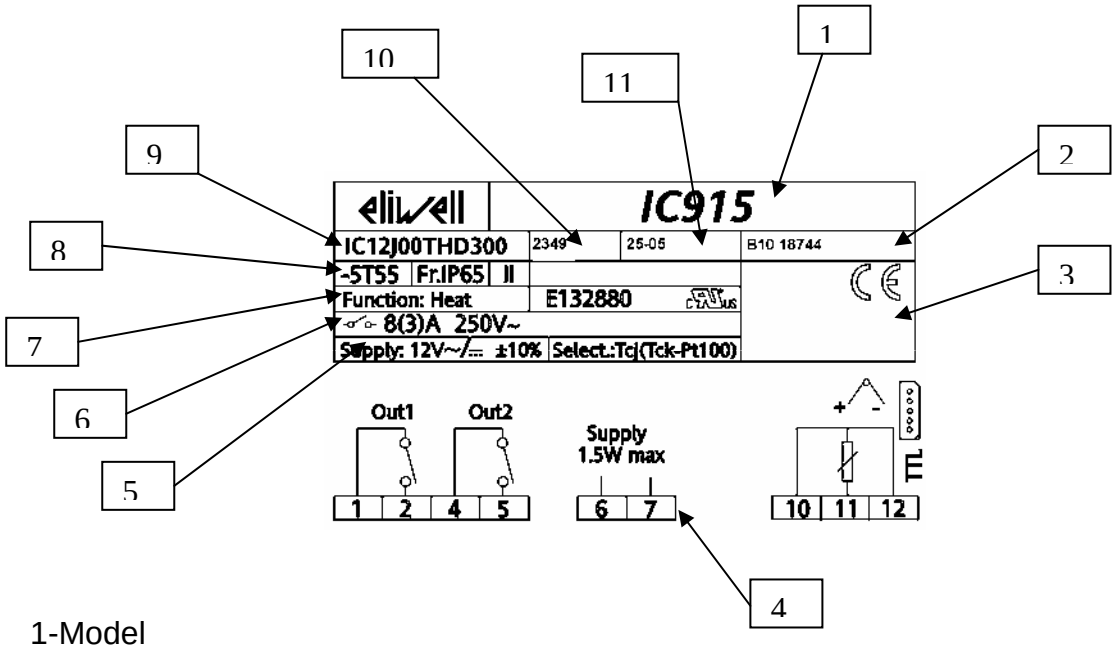
ID 985 LX



1-Model
2-Instrument progressive number (B10 indicates the test number and 18744 the number of parts produced by test B10)
3-Type-approval marks
4-Wiring diagram
5-Supply voltage (here 12V AC/DC)
Probe input type (here, parameter-selectable NTC/PTC
Default setting for NTC probe)
6-Relay capacity (the value in brackets refers to the inductive load), here, 3
8 A relay (3 A inductive) and 5 A relay (2A inductive) at 250V AC
7-Additional product functions
UL approval number
8-Operating temperature (here from –5 to +55 °C)

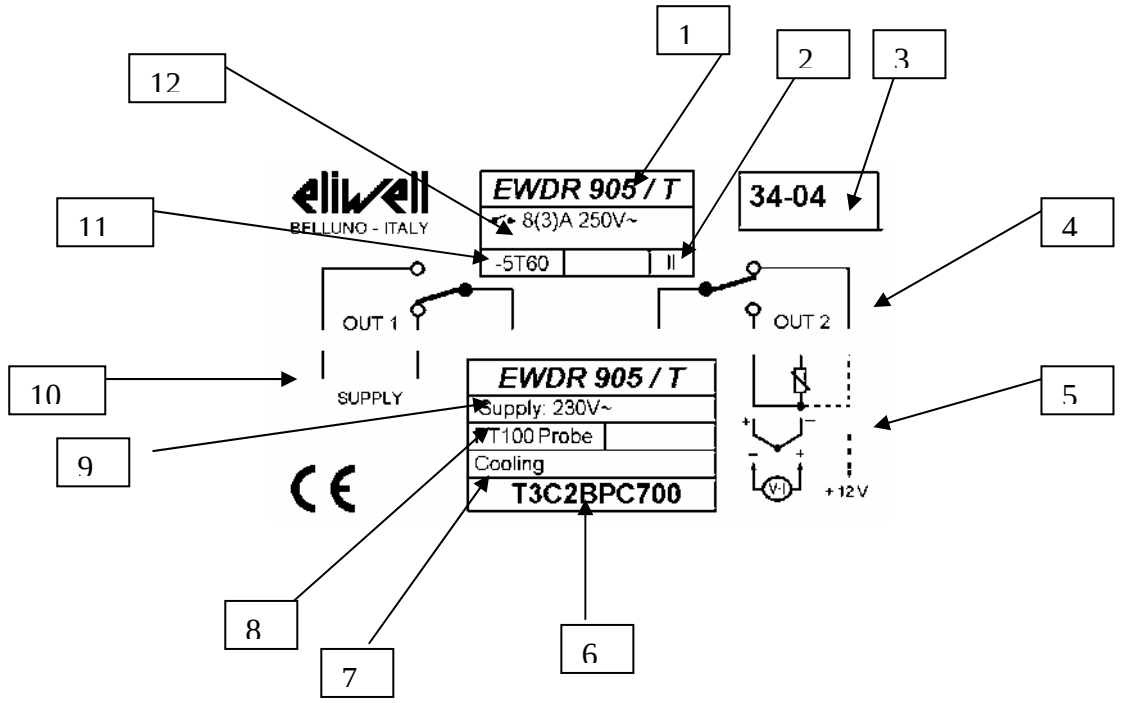
Protection rating of front keypad
Electric strength test.
9-Instrument commercial code.
10-ID code of operator performing test.
11-Date instrument manufactured (the first two numbers indicate the week manufactured and the last two the year manufactured)

IC915



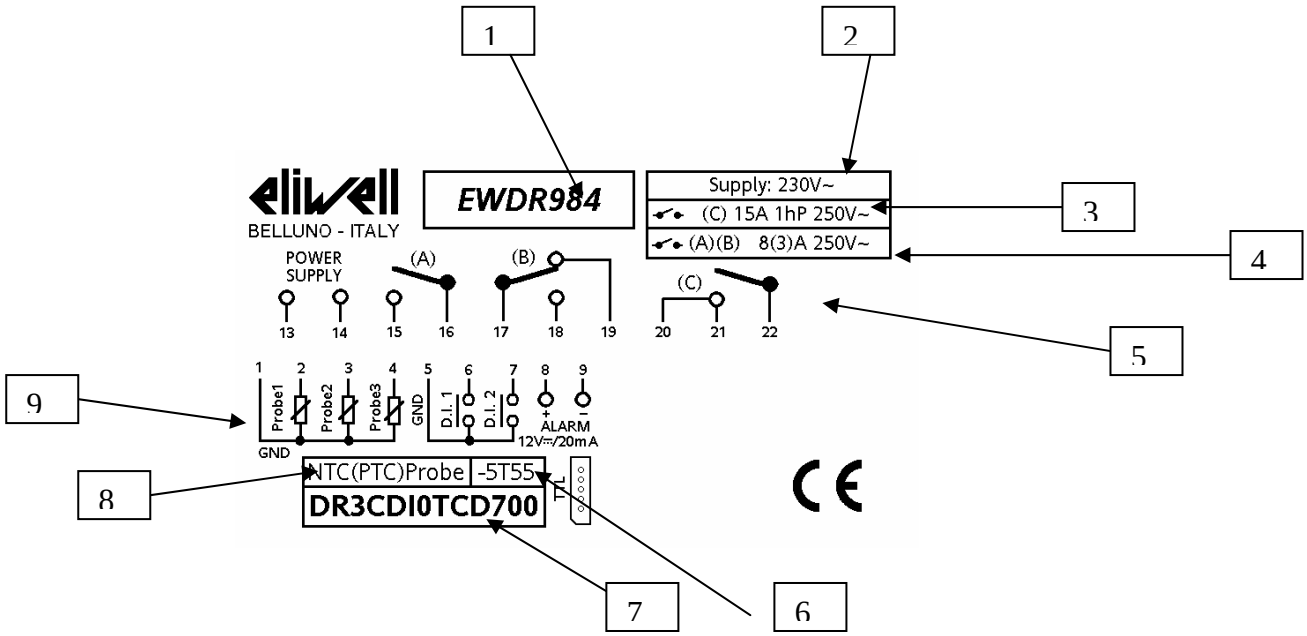
1-Model
2-Instrument progressive number (B10 indicates the test number and 18744 the number of products in test B10)
3-Type-approval marks
4-Wiring diagram
5-Supply voltage:
Type of probe input
6-Relay capacity
7-Type of operating
UL approval number
8-Operating temperature (here from –5 to +55 °C)
Protection rating of front keypad
Electric strength test.
9-Instrument commercial code.
10-ID code of operator performing test.
11- Date instrument manufactured

EWDR902/T



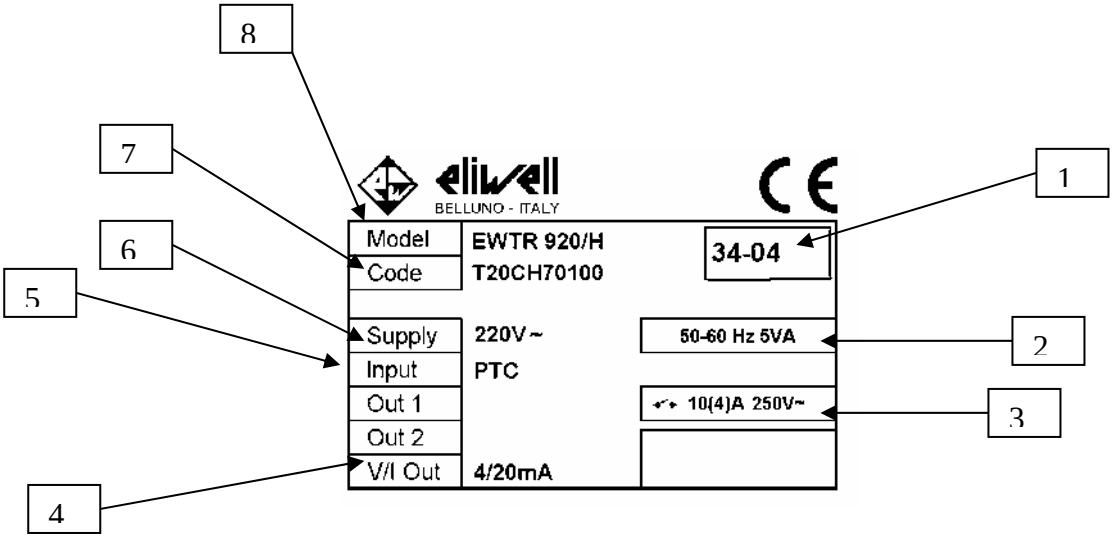
1-Model
2-Electric strength test
3- Date instrument manufactured
4-Relay output connection
5-Probe connections (the label for EWDR 902/905 instruments indicates all the types of probe that can be connected to them, but for the type of probe to be connected to the instrument, reference must be made to the code or description)
6-Instrument commercial code
7-Type of operating (here for cool mode)
8-Type of probe input (PT100 here)
9-Supply voltage (230V AC here)
10-Connection of supply cables
11-Operating temperature (here from -5 °C to +60°C)
12-Relay capacity, here 8 A (3 A inductive)

EWDR 984



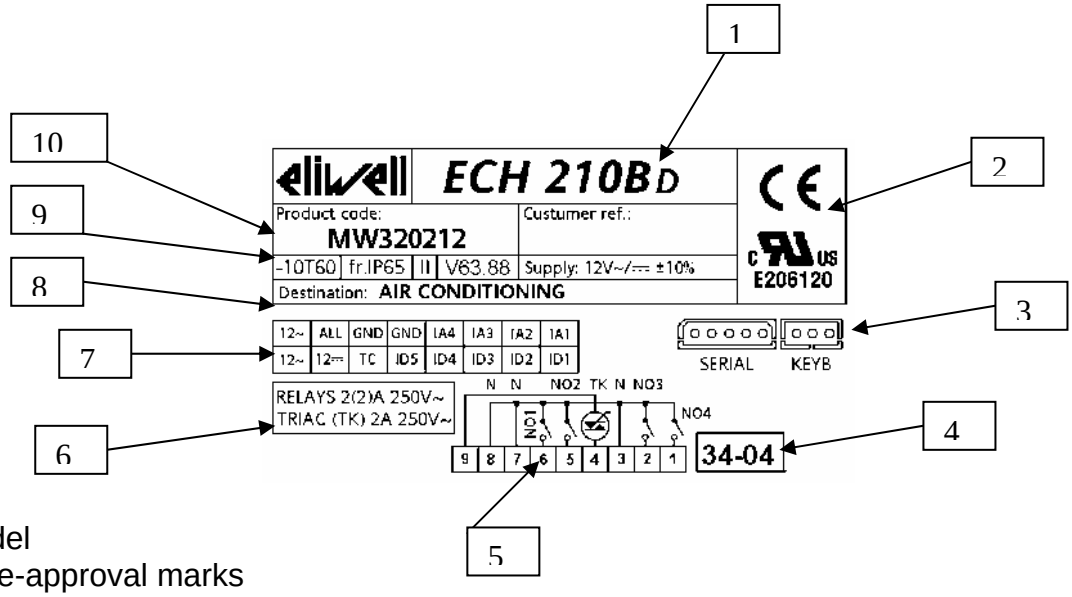
1-Model
2-Supply voltage (230V AC here)
3-Relay C capacity (here 15A 1Hp at 250 V AC)
4-Relay A, B capacity (here both 8 A, 3 A inductive)
5-Schematization of relay outputs and connection of supply cables
6-Operating temperature
7-Instrument commercial code
8-Probe input type (parameter-selectable NTC/PTC
here, default settings for NTC probe)
9-Probe connections, schematization of digital inputs and direct output 12V
Dc 20m A.

EWTR 920/H



1- Date instrument manufactured
2-Consumption
3-Type of relay and capacity (here clean contact, 10 A capacity, 3 A inductive
4-Type of analogue output (here 4/20 m A)
5-Probe input (here PTC)
6-Supply voltage (here 220V AC)
7-Instrument commercial code
8-Model

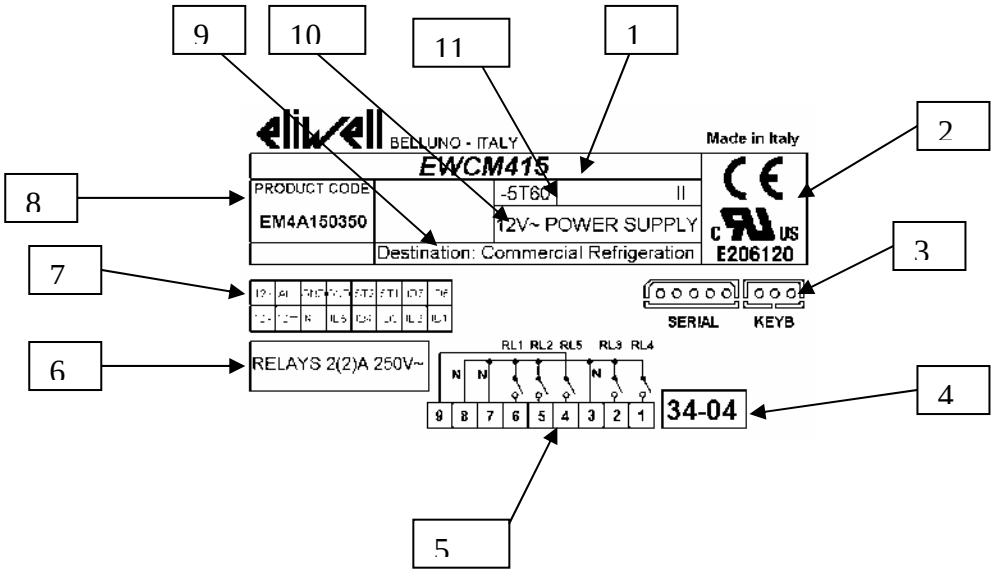
ECH 210BD



1-Model
2-Type-approval marks
3-Serial connectors and keyboard
4- Date instrument manufactured
5-Wiring diagram for relay outputs and Triac
6-Relay capacity and Triac
7-Supply and digital input wiring diagram

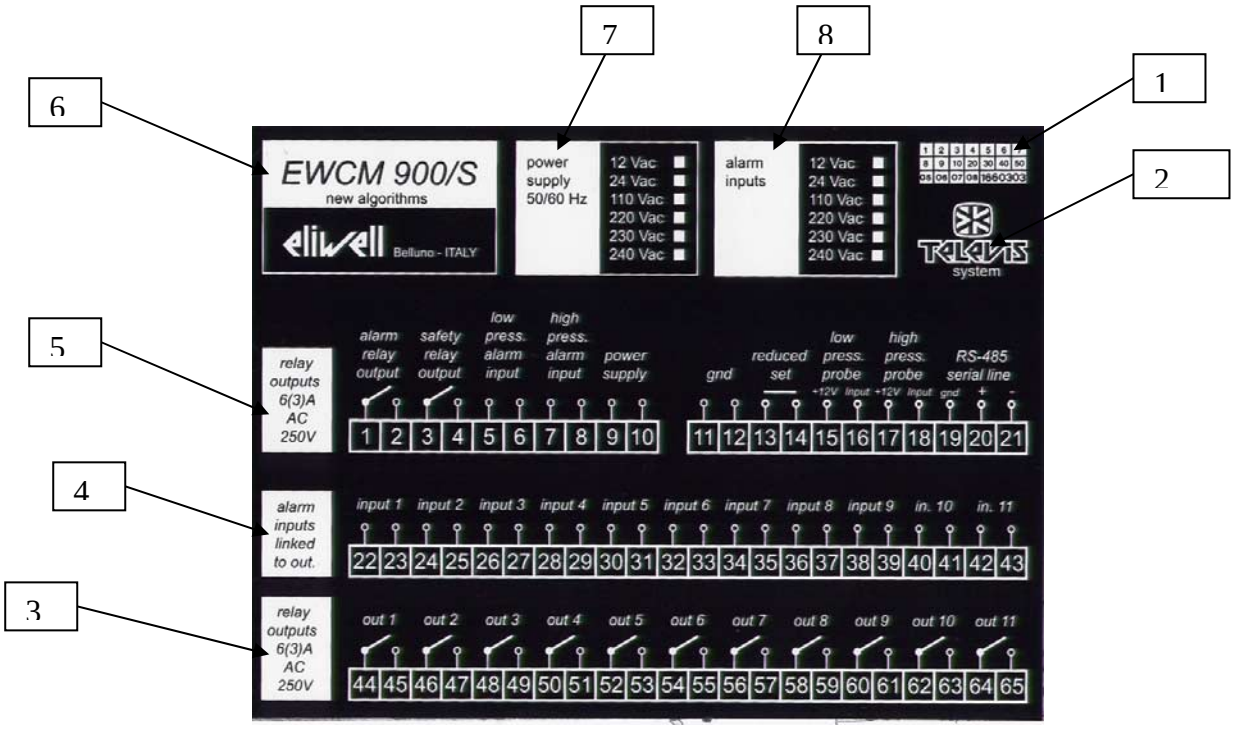
8-Instrument's destination
9-Operating temperature (here from -10°C to +60°C)
Protection rating of front keypad
Electric strength test
Firmware version of micro
Supply voltage
10-Product commercial code
Customer product code (if present)

EWCM 415



1-Model
2-Type-approval marks
3-Serial connectors and keyboard
4- Date instrument manufactured
5-Wiring diagram for relay outputs and Triac
6-Relay capacity
7-Supply and digital input wiring diagram
8-Product Code
9-Instrument's destination
10-Supply voltage:
11-Operating temperature (here from -5°C to +60°C)
Protection rating of front keypad

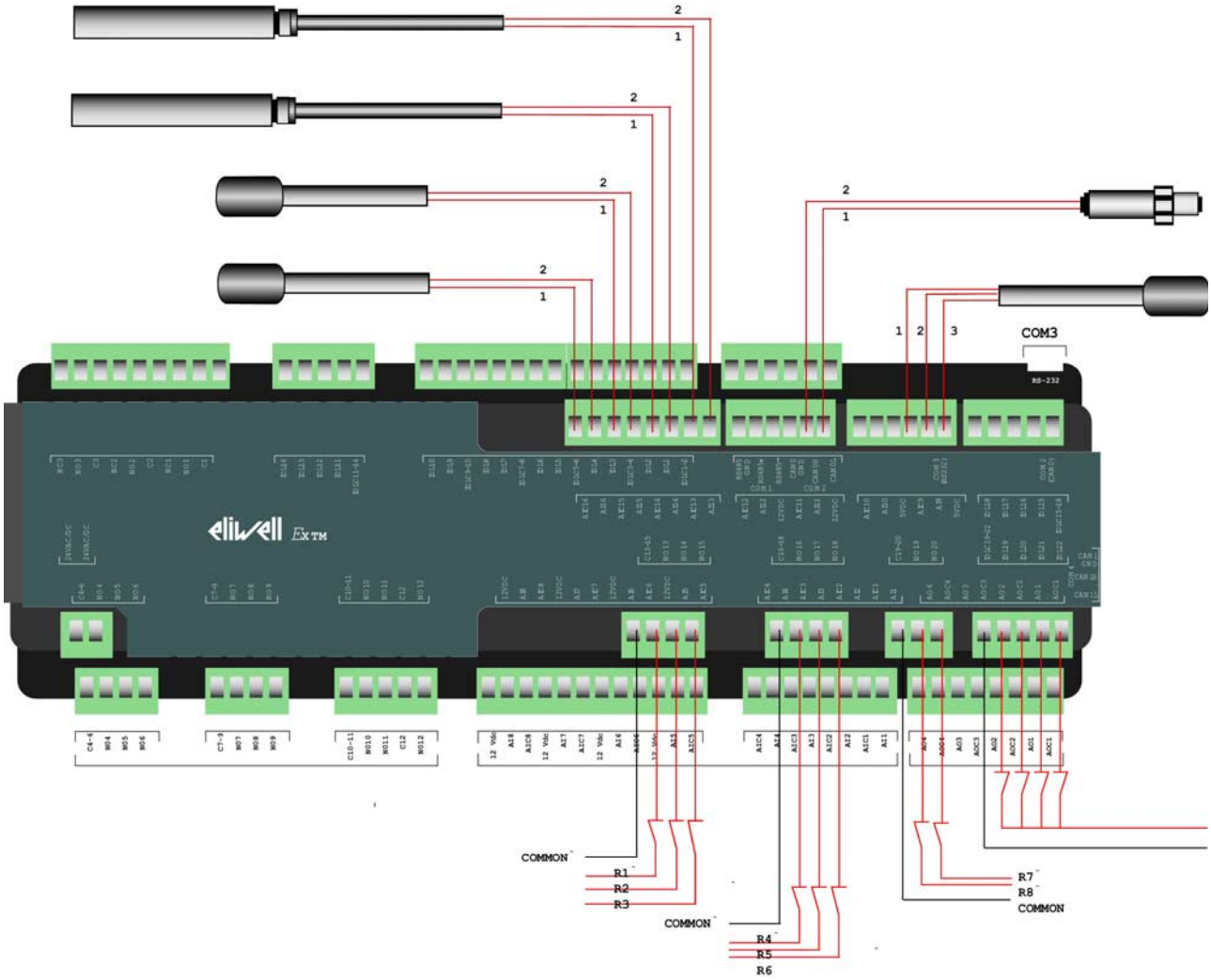
EWCM 900/S



1-Date instrument manufactured *
2-Televis compatible
3-Relay capacity (6 A and 3 A inductive at 250V here) and connection
4-Alarm input connections (in this instrument opto-isolated inputs are powered and the voltage is the same as the supply voltage)
5-Alarm relay capacity
  Alarm relay connection
  High and low pressure alarm input connection
  Supply cable connection
  Connection to instrument ground
  Reduced set point input
  Connection of pressure probes for measurement of inlet pressure and condensation
  Connection to instrument RS-485 serial
6-Model
7-Supply voltage
8-Alarm input voltage (same as supply voltage)

* The manufacture date and product code can be found on a white label on the bottom part of the instrument, the table marked no. 1 is not used.

ENERGY XT-XT PRO



In the Energy XT all the information on connections to the instrument can be found stamped on its cover.
The manufacture date and product code can be found on a white label in the lower part of the instrument.

The terminals on this instrument are on two levels, the external stamping refers to the terminals on the lowest level and the internal stamping refers to the terminals on the highest level.

Connections to high level terminals:

N01…3
N04…12
Terminals for digital output connection, three outputs for change-over relays and nine for single relay.

IDH1…4
IDL1…10
Terminals for digital input connection, the instrument has 10 opto-isolated digital inputs at 24Vac/dc (IDH…10) and 4 at 24Vac/dc or 115/230Vac depending on the semi-finished product selected (IDH1…4).

COM1
COM2
COM3
COM4
Serial connections.
RS485 type Com1
Can Bus type Com2
RS232 or TTL type Com3 (the TTL is on the side of the instrument) depending on the semi-finished product selected.
Can Bus type Com4

AI5…8
AI1…4
Analogue inputs, the base has 8 analogue inputs.

AO1…4
Analogue outputs, the base has 4 analogue outputs that can be 0…10V or 4…20mA depending on the semi-finished product.

Connections to low level terminals:

Power Supply
Supply voltage (24Vac/dc with a tolerance of +/-10% in this case)

AI9…AI16
Terminals for analogue input connection, the internal expansion has 8 analogue inputs that are configurable in pairs using software.

IDL15…IDL22
Terminals for digital input connection, the internal expansion has 4 opto-isolated digital inputs with 24Vac/dc voltage and 4 opto-isolated inputs that depending on the semi-finished product can have a voltage of 24Vac/dc or 115/230Vac.

NO13…20
Terminals for digital output connection, the internal expansion has 8 relay outputs with N.O. contacts.

Notes

In all instruments with the exception of the ID/IC families (where the operator code is part of the information on the instrument label as previously described) the operator code is placed on an adhesive label in the lower part of the instrument and always consists of four numbers.

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