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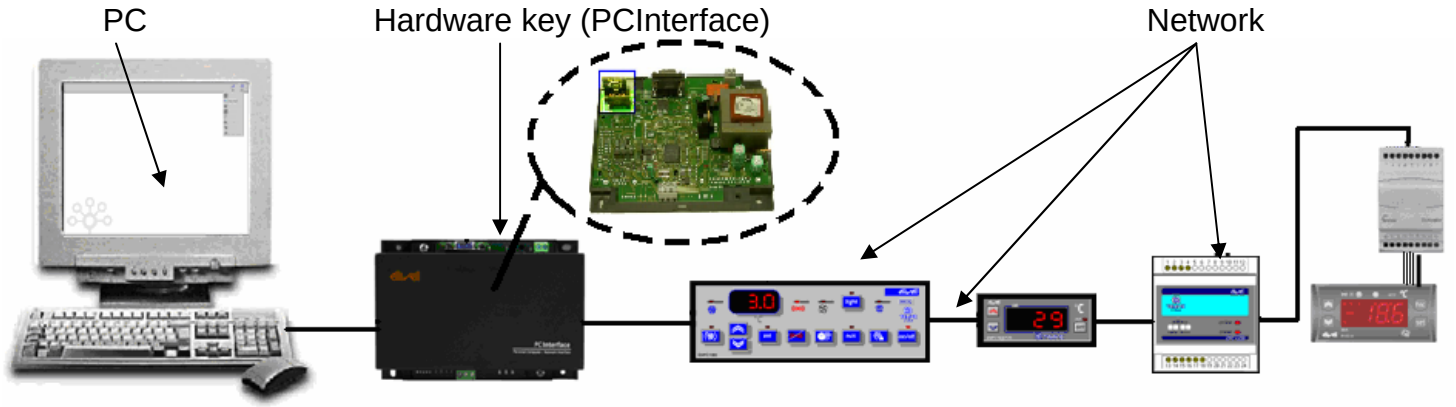
Introduction

The sections that follow provide the guidelines that have to be followed to plan/schedule the tasks required to upgrade existing Televis100, 150 and 200 systems (and related limited versions) to TelevisNet-Web.

Minimum requirements and basic features of TelevisNet-Web

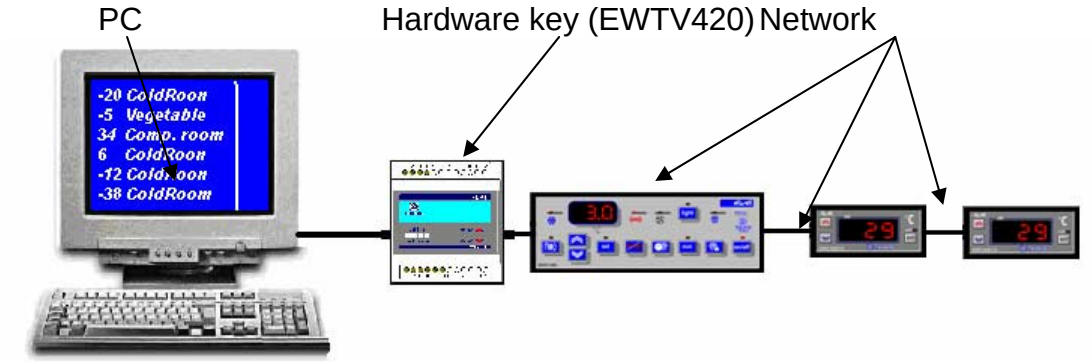
- Hardware (PC)
  - Celeron 700
  - 512MB RAM (1GB recommended)
- Operating system
  - Windows 2000 (SP4 or later)
  - Windows XP Home (SP2 or later)
  - Windows XP Professional (SP2 or later)
  - Internet Explorer 6.0
  - Free 80 port

The current supervision system configured with TelevisNet-Web requires the use of a PC (with the characteristics specified above), a hardware key (PCInterface+BlueCard) and a network with several devices, as shown in the figure below:



Upgrading from Televis100 systems to TelevisNet-Web

The configuration of Televis100 is equivalent to that of TelevisNet-Web because it involves the use of the same types of components:

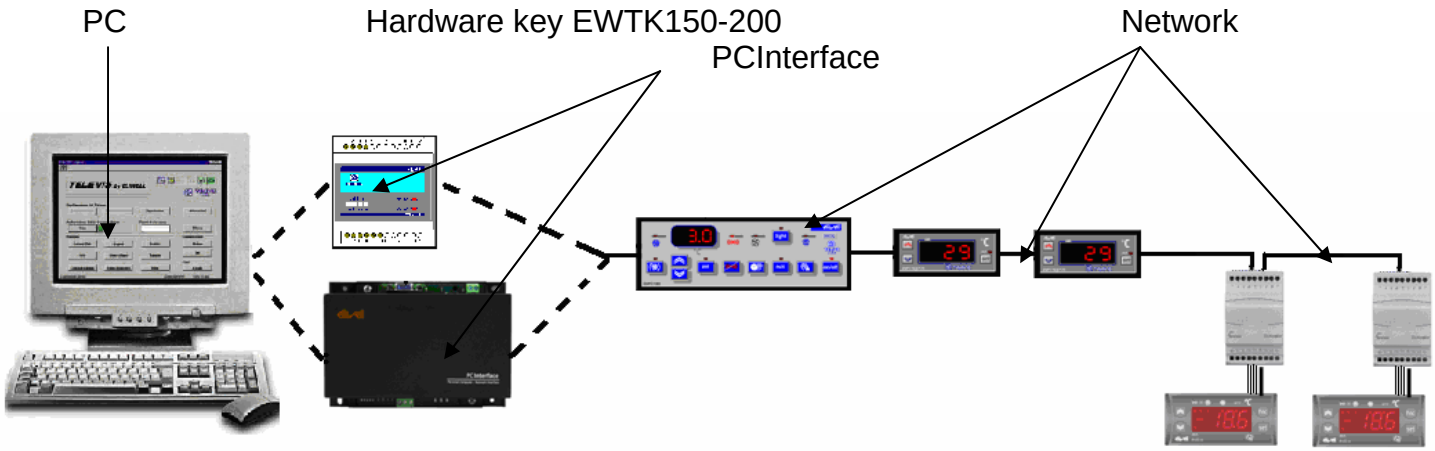


For more information on upgrading the system to TelevisNet-Web, see the following table.

Televis100 components	To upgrade to TelevisNet-Web
PC 	Replace the PC with a new one that matches the specified requirements (Televis100 can be used on a PC or MS-DOS operating system, TelevisNet-Web is designed to be used on PCs with MS-Windows).
Hardware key EWTV420 	Replace with: 1. PCInterface 1110/1120 or 1210/1220: new hardware key 2. SLP…software license with Bluecard
Network 	Replace with more recent or enhanced devices (the firmware versions of controllers are too old and cannot be managed with TelevisNet-Web NOTE: the RS485 cable does not need to be replaced.

Upgrading from Televis150-200 systems to TelevisNet-Web

The configuration for Televis100 is equivalent to the one used for TelevisNet-Web, because it is involves the use of the same type of components. It is useful to remember that there are also versions of Televis150-200 designed for the use of a PCInterface.



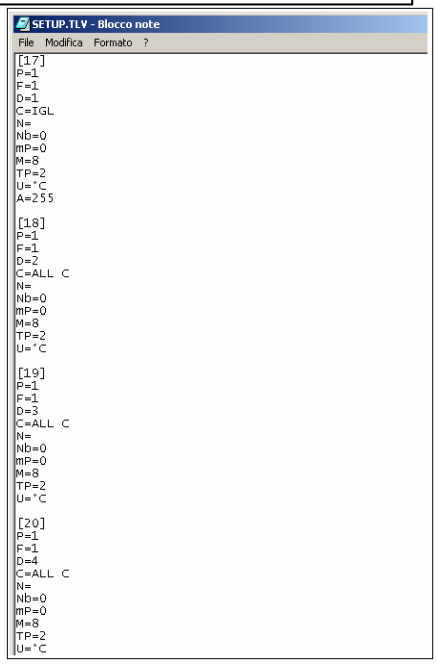
For information on how to upgrade to TelevisNet-Web, see the following table.

Televis150-200 components	To upgrade to TelevisNet-Web
PC 	Replace the PC with a new one ONLY IF the requirements are not sufficient to ensure a correct operation of TelevisNet-Web-
Hardware key EWTK 150-200 	Replace with: 1. PCInterface 1110/1120 or 1210/1220: new hardware key 2. SLP…software license with Bluecard
Hardware key PCInterface 	Replace the BlueCard for Televis150-200 with BlueCard for TelevisNet NOTE: if PCInterface has been manufactured prior to the seventeenth week of 2004), return it to Eliwell for upgrading or replacement
Network 	Verify that the controller is compatible, following the procedure outlined in chapter "Checking the compatibility".

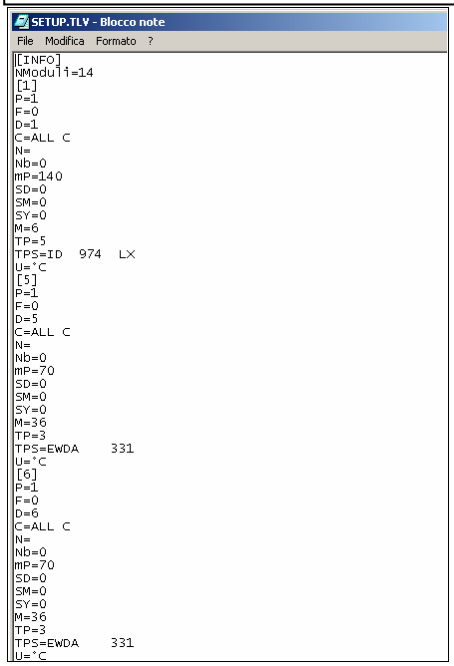
Checking the compatibility

1. Locate file Setup.tlv (in folder Televis) and open it with a text editor (for example WordPad). The file may have two different formats, which vary according to the version of Televis. The figures show the typical data that have to be used:
   The data to use is the following:
   F= Family (FAA)
   D= Address (dEA)
   mP= See point 3.
   M= See point 3.
   TP= See point 3.

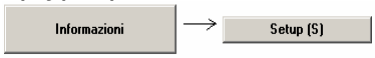
From 02.05.00 to 02.07.00



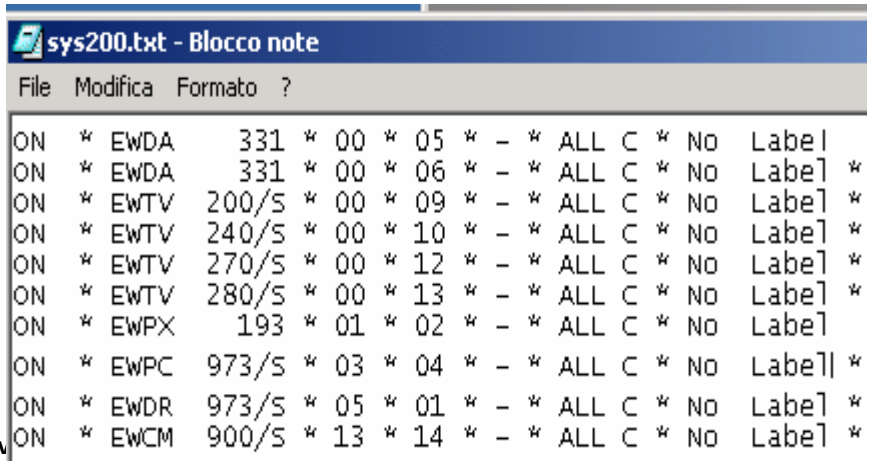
From 05.00.00 to 06.XX.XX



2. Locate file sys.txt (in folder Televis) and open it with a text editor (for example WordPad). If the file is not available or is empty), open Televis and select:



   Close Televis and open the file to link the type of devices to the family address: for example address 03 (FAA), 04 (dEA) is linked to EWPC973/S.



3. Now, let's assume we want to check the device referred to in point 2., EWPC973/S, 03.04 is compatible with TelevisNet or needs to be replaced:
   - Locate in file Setup.tlv the block that refers to the controller using the family (FAA=03) and address (dEA=04)

     P=1
     F=3 Corresponds to FAA
     D=4 Corresponds to dEA
     C=
     N=
     Nb=0
     mP=0 Corresponds to FAMILY ID in the following table
     M=8 Corresponds to FW RELEASE in the following table
     TP=2 Corresponds to MODEL ID in the following table
     U=°C
     A=255
   - If we compare the data in the table:

MODEL	FAMILY ID	MODEL ID	POLI ID	FW RELEASE	MAP ID	I/O FN	PAR
EWPC 900							
EWPC 973/S	0	2	NA	8/10/11/12/14/15	NA	Y	NA
	mP=0	**TP=2**		**M=8**			

     The device is compatible!

Follow this procedure to check the compatibility of the remaining controllers.

Appendix 1. List of compatible devices (on TelevisNet's CD)

Televis**NET**

Version 3.0.1 – November 2006

SUPPORTED DEVICES

MODEL	FAMILY ID	MODEL ID	POLE ID	FW RELEASE	MAP ID	I/O FN	PAR
EWPC 900							
EWPC 902/T/S	0	6	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 902/R/S	0	22	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 902/P/S	0	23	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 905/T/S	0	7	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 905/R/S	0	20	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 905/P/S	0	21	NA	8/10/11/12/14/15	NA	Y	NA
DIGIFROST							
EWDR 961/S	0	74	NA	8/10/11/12/14/15	NA	Y	NA
EWDR 961 AR/S	0	75	NA	8/10/11/12/14/15	NA	Y	NA
EWDR 973/S	0	1	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 961/S	0	4	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 970/S	0	5	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 973/S	0	2	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 1000/S	0	3	NA	8/10/11/12/14/15	NA	Y	NA
EWTB 1000/S	0	12	NA	8/10/11/12/14/15	NA	Y	NA
EWPC 700	0	18/19	NA	8/10/11/12/14/15	NA	Y	NA
EWCD							
EWCD 500/S	0	24	NA	8/10/11/12/14/15	NA	Y	NA
EWCD 1000/S	0	25	NA	8/10/11/12/14/15	NA	Y	NA
EWPX							
EWPX 161 (/E)	0	58/59	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 161 AR(/E)	0	60/61	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 170 (/E)	0	37/38	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 171 (/E)	0	39/40	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 172 (/E)	0	41/42	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 172 AR(/E)	0	43/44	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 173 (/E /S)	0	51, 52, 53, 54	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 174 AR(/E)	0	26/27	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 174 AX(/E)	0	28/29	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 174 (/E)	0	45/46	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 177 (/A,/E)	0	47/48/49	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 185 (/E)	0	67/66	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 190 (/E)	0	30	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 193 (/E)	0	31/32	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 195 (/E)	0	33/34	NA	8/10/11/12/14/15	NA	Y	NA
EWPX 196 (/E)	0	35/36	NA	8/10/11/12/14/15	NA	Y	NA
EWPX milk controller	0	76	NA	8/10/11/12/14/15	NA	Y	NA
Digifrost Advance Link - Split							
EWDA 111	70	1	NA		NA	Y	NA
EWDA 221	70	2	NA		NA	Y	NA
EWDA 331	70	3	NA		NA	Y	NA
EWDL 111	70	4	NA		NA	Y	NA
EWDL 221	70	5	NA		NA	Y	NA
EWDL 331	70	6	NA		NA	Y	NA
EWDS 111	70	10	NA		NA	Y	NA
EWDS 221	70	9	NA		NA	Y	NA
EWDS 231	70	8	NA		NA	Y	NA

MODEL	FAMILY ID	MODEL ID	POLE ID	FW RELEASE	MAP ID	I/O FN	PAR
EWDS 241	70	12	NA		NA	Y	NA
EWDS 341	70	7	NA		NA	Y	NA
EWDS 341 DR	70	11	NA		NA	Y	NA
Timer							
ET950LX	207	1	1		13	Y	Y
Invensys Digifrost Basic							
ID 961LX	140	1	1		28	Y	Y
ID 961/A LX	140	10	1		28	Y	Y
ID 970LX	140	2	1		28	Y	Y
ID 971LX	140	3	1		28	Y	Y
ID 974LX	140	4	1		28	Y	Y
ID 974/A LX	140	5	1		28	Y	Y
ID 975LX	140	7	1		28	Y	Y
ID 975/A LX	140	29	1		28	Y	Y
ID 975LX CIBIN	134	7	1		28	Y	Y
ID 961 KIFATO	175	2	2			Y	Y
ID 975LX DAYAN	140	7	2		28	Y	Y
Invensys Digifrost Split							
IS 972LX	140	8	1		28	Y	Y
IS 974LX	140	9	1		28	Y	Y
IS 974LX	224	2	1			Y	Y
IS 974LX with EWEM245	123	4	1		16	Y	Y
IS 974/A LX	140	6	1		28	Y	Y
IS 972/A LX	140	26	1		28	Y	Y
MSK 191							
ID 971LX Electrolux	191	11	1		?	Y	Y
ID 961LX Electrolux	191	13	1		?	Y	Y
ID 974LX Electrolux	191	17	1		?	Y	Y
Invensys Digifrost Advanced							
ID 985LX	123	1	1		16	Y	Y
ID 985LX HOT GAS	176	1	1		21	Y	Y
ID 985LX II (2 Evap.)	180	1	1		19	Y	Y
ID 985LX Fan Condenser	215	1	2		?	Y	Y
ID 983LX (2 Evap.)	180	5	1		19	Y	Y
ID 983LX	123	5	1		16	Y	Y
Invensys Digifrost HACCP							
ID 961LX HACCP	123	3	1		16	Y	Y
ID 974LX HACCP	123	2	1		16	Y	Y
ID 985LX HACCP ANNUAL CALENDAR	188	1	1			Y	Y
ID 985LX HACCP	123	1	2		16	Y	Y
Invensys Controllers							
IC 912LX TCJ/PT100	104	3	1		25	Y	Y
IC 915LX TCJ/PT100	104	4	1		25	Y	Y
IC 912LX NTC/PTC	131	2	1		23	Y	Y
IC 915LX NTC/PTC	131	3	1		23	Y	Y
IC 912LX/R	132	10	3		24	Y	Y
IC 912LX/P	132	6	2		24	Y	Y
IC 912LX/I-V	132	7	4		24	Y	Y
IC 915LX/R	132	8	3		24	Y	Y
IC 915LX/P	132	12	2		24	Y	Y
IC 915LX/I-V	132	9	4		24	Y	Y
IC 915LX/I-V °C	132	9	1		24	Y	Y
IC 974 LX	190	2	1		3	Y	Y
IC 917LX	166	1	1		15	Y	Y
IC 917LX	141	1	1		15	Y	Y
IC 915 WITH DIFFERENTIAL SET-POINT	218	1	1		30	Y	Y
IC 915LX /A	190	4	1			Y	Y
Powerfrost							

MODEL	FAMILY ID	MODEL ID	POLE ID	FW RELEASE	MAP ID	I/O FN	PAR
EWPK 100	74	1	NA		NA	Y	NA
EWPK 200	74	2	NA		NA	Y	Y JDK ONLY
EWPK 201	74	3	NA		NA	Y	NA
EWPK 202	74	4	NA		NA	Y	NA
EWTV							
EWTV 200	10	8	NA	1 / 2 / 3 / 4 / 5	NA	Y	NA
EWTV 240	10	15	NA	1 / 2 / 3 / 4 / 5	NA	Y	NA
EWTV 270	10	16	NA	1 / 2 / 3 / 4 / 5	NA	Y	NA
EWTV 280	10	17	NA	1 / 2 / 3 / 4 / 5	NA	Y	NA
EWCM 400							
EWCM 412	97	1	NA		NA	Y	ND
EWCM 415	97	2	NA		NA	Y	ND
EWCM 418	97	3	NA		NA	Y	ND
EWCM 215	97	4	NA		NA	Y	ND
EWTS330							
EWTS330/S M1	32	1	NA		NA	Y	NA
EWTS330/S M2	32	2	NA		NA	Y	NA
EWTS330/S M3	32	3	NA		NA	Y	NA
EWTS330/S M4	32	4	NA		NA	Y	NA
EWCM 800/900							
EWCM 840/S	4,11,12,21	1/2/15	NA	23/24/53/149/ALL	NA	Y	ND
EWCM 860/S	4,11,12,21	3/4/14	NA	23/24/53/149/ALL	NA	Y	ND
EWCM 890/S	4,11,12,21	5/6/13	NA	23/24/53/149/ALL	NA	Y	ND
EWCM 809/S	4/11	5/6/13	NA	23/24/53/149/ALL	NA	Y	ND
EWCM 809/S NH3P	21	10/16	NA	ALL	NA	Y	ND
EWCM 809/S NH3/NTC	12	10/16	NA	23/53/ALL	NA	Y	ND
EWCM 900/S	4,11,12,21	7/8/11/12	NA	23/24/53/149/ALL	NA	Y	ND
EWCM 9000							
EWCM 9000	147	1	1		NA	Y	ND
Invensys Wide							
IWP 740 + IWK 32x74	167	3	1		35	Y	Y
IWP 740 + IWK 32x74 DeRigo	167	3	4		35	Y	Y
IWP 740 + IWK WIDE	167	3	5		35	Y	Y
IWP 740 + IWK 6keys	167	3	3		35	Y	Y
IWP 740 + IWK 700 Open 6 keys	167	3	6		35	Y	Y
IWP 740 + IWK 201 Open 5 keys	167	3	7		35	Y	Y
IWP 750 + IWK 32x74	167	4	1		35	Y	Y
IWP 750 + IWK WIDE	167	4	5		35	Y	Y
IWP 750 + IWK 6keys	167	4	3		35	Y	Y
IWP 750 + IWK 700 Open 6 keys	167	4	6		35	Y	Y
IWP 750 + IWK 201 Open 5 keys	167	4	7		35	Y	Y
IWP 760 + IWK 32x74	167	5	1		35	Y	Y
IWP 760 + IWK WIDE	167	5	5		35	Y	Y
IWP 760 + IWK 700 Open 6 keys	167	5	6		35	Y	Y
IWP 760 + IWK 201 Open 5 keys	167	5	7		35	Y	Y
IWP 760 + IWK 32x74 (Rivacold)	167	7	1		35	Y	Y
IWP 760 + IWK 4keys Rivacold	167	7	2		35	Y	Y
IWP 760 + IWK 6keys	167	5	3		35	Y	Y
IWP 740 + IWK 32x74	167	8	1		35	Y	Y
IWP 740 + IWK WIDE	167	8	5		35	Y	Y
IWP 740 + IWK 6keys	167	8	3		35	Y	Y
IWP 740 + IWK 700 Open 6 keys	167	8	6		35	Y	Y
IWP 740 + IWK 201 Open 5 keys	167	8	7		35	Y	Y
IWP 985 + IWK 32x74	203	1	1		??	Y	Y
IWP 985 + IWK WIDE	203	1	5		??	Y	Y
IWP 985 + IWK 6keys	203	1	3		??	Y	Y
IWP 985 + IWK 700 Open 6 keys	203	1	6		??	Y	Y
IWP 985 + IWK 201 Open 5 keys	203	1	7		??	Y	Y

MODEL	FAMILY ID	MODEL ID	POLE ID	FW RELEASE	MAP ID	I/O FN	PAR
FanCoil							
FanCoil Basicom	142	1	1		NA	Y	Y
Energy							
ECH 215 B	217	1	1		NA	Y	Y
EM							
EM 300 LX	205	36	1		??	Y	Y
EM 300 LX	132	15	2		??	Y	Y
HM 300 LX	132	16	1		24	Y	Y
Eliwell Electric							
IE 103 LX	233	5	1		??	Y	Y
IE 123 LX	233	7	1		??	Y	Y
IE 203 LX	233	6	1		??	Y	Y
IE 303 LX	233	8	1		??	Y	Y
Timer							
ET950LX	229	1	1		13	Y	Y
IWP Supermarket							
IWP 750 SM	221	1	1		32	Y	Y
IWP 760 SM	221	2	1		36	Y	Y
IWP 750 SM ZANOTTI M1	221	4	7			Y	Y
IWP 750 SM ZANOTTI M2	221	5	7			Y	Y
IWP 750 SM ZANOTTI M3	221	6	7			Y	Y
IWP 750 SM ZANOTTI M4	221	3	7			Y	Y
IWP 750 LX PIARDI	221	7	9			Y	Y
IWP 750 SM JDK (IWK WIDE)	221	1	5			Y	Y
ID 985 ECO - ID 985 SWITCHING							
ID 985/E LX	224	3	1		43	Y	Y
* ID 985 /S	224	3	2			Y	Y
EWDR							
EWDR 985 LX	202	1	1		8	Y	Y
EWDR 983 LX	202	2	1		8	Y	Y
* EWDR 985 LX CSK	308	1	1			Y	Y
IC 912 LX °REAMUR							
IC 912 LX °REAMUR	162	1	1			Y	Y
EM 300 LX TC/PT10							
EM 300 LX TC/PT100	235	1	1			Y	Y
ID 985 LX HOT GAS REL 2.0							
ID 985 LX HOT GAS REL 2.0	238	1	1			Y	Y
Timer Family							
EWTS 990 LX	223	1	1			Y	Y
EWTS 950 LX	223	2	1			Y	Y
ID Electrolux REL 2.0							
ID 971LX Electrolux REL. 2.0	239	11	1			Y	Y
ID 961LX Electrolux REL. 2.0	239	13	1			Y	Y
ID 974LX Electrolux REL. 2.0	239	17	1			Y	Y
ID 974LX Electrolux REL. 2.0 D.I.	239	4	1			Y	Y
FC BASICOM VP							
FC BASICOM VP	246	1	1			Y	Y
FC BASICOM VP AUTO	246	2	1			Y	Y
ERT 400							
ERT 420	144	0/1	0/1			Y	Y
UNIVERSAL CONTROLLER 48x48 (14 ADC)							
EW 4820	248	2	1			Y	Y
EW 4821	248	1	1			Y	Y
EW 4822	248	3	1			Y	Y
ECH 400							
ECH 420 SR	210	0/1	0/1			Y	Y

MODEL	FAMILY ID	MODEL ID	POLE ID	FW RELEASE	MAP ID	I/O FN	PAR
UNIVERSAL CONTROLLER 48x48 (16 ADC)							
EW 4820	250	1	1			Y	Y
EW 4821	250	2	1			Y	Y
EW 4822	250	3	1			Y	Y
UNIVERSAL CONTROLLER 72x72 (14 ADC)							
EW 7222	251	1	1			Y	Y
EW 7220	251	2	1			Y	Y
* EW 7220 TC	252	1	1			Y	Y
* EW 7220 PT100	253	1	1			Y	Y
INVENSYS WIDE COMPACT							
IWC 730 LX	299	3	1			Y	Y
IWC 740 LX	299	5	1			Y	Y
IWC 750 LX	299	7	1			Y	Y
IWC 750 LX HACCP	299	8	1			Y	Y
IWC 720 LX HACCP	299	9	1			Y	Y
ELECTRONIC CONTROLLER FOR COLD ROOM							
* EWRC 500 LX	289	1	1			Y	Y

(*) New in this version

Legend:

MODEL: Device Model
FAMILY ID: Device Microprocessor/firmware Family Identifier
MODEL ID: Device Model Identifier within a Family (N.A. = Not Available)
I/O: I/O and Status Data Reading (Y = Feature available)
FN: Device functions (Y = Feature available)
PRM: User Parameters Read/Write (Y = Feature available)
***:** Special model

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