

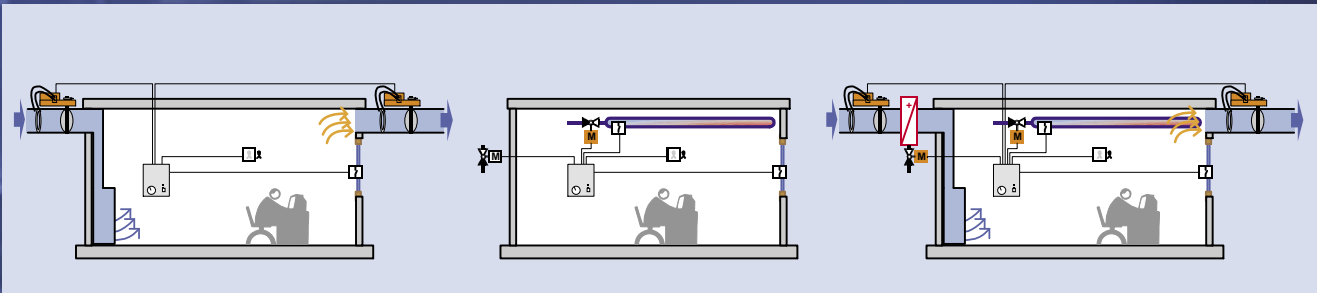
NEWS

Room temperature controller CR24

System solutions for individual room comfort

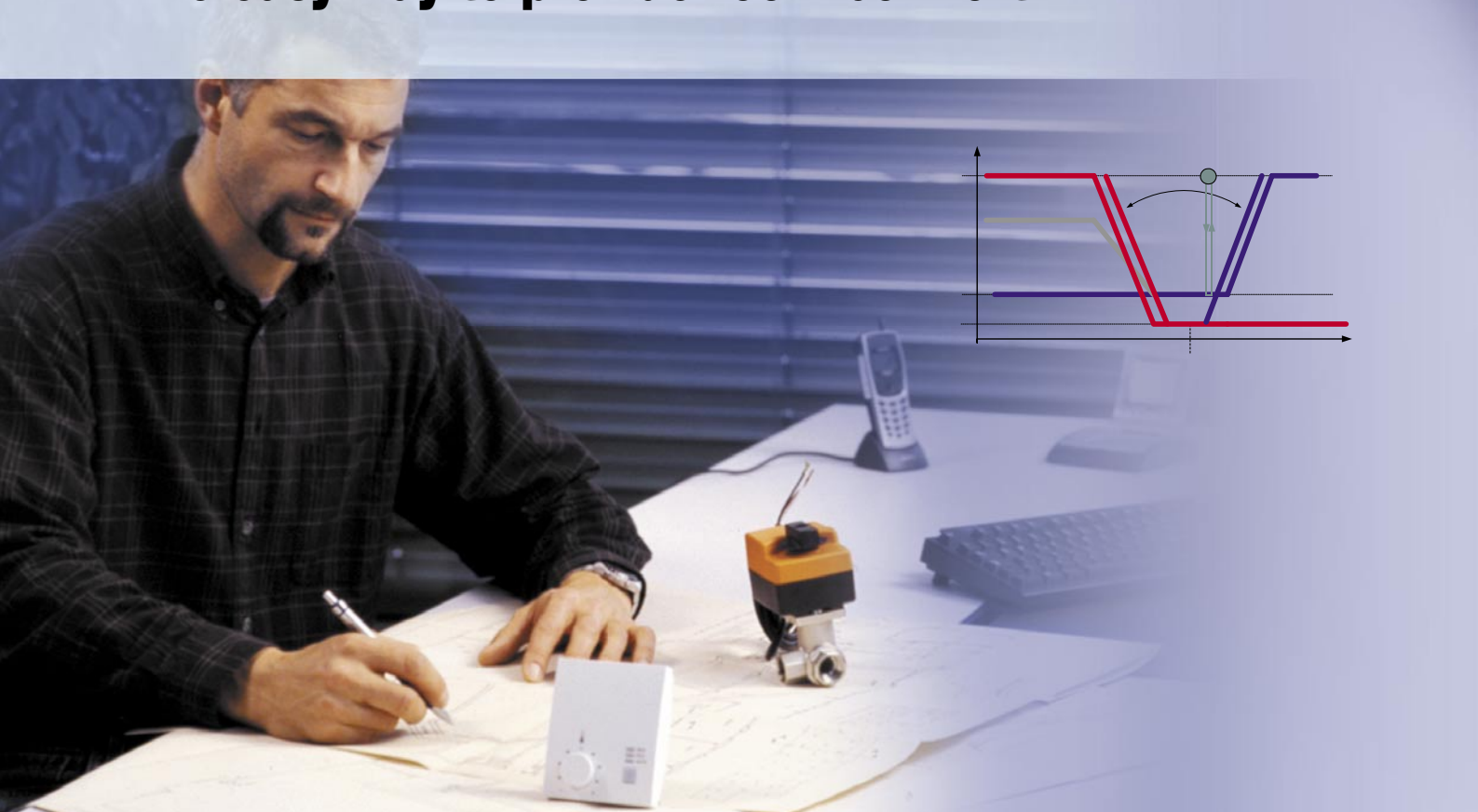


BELIMO®



Individual comfort with Belimo actuators and single room controllers for air, water and combined systems

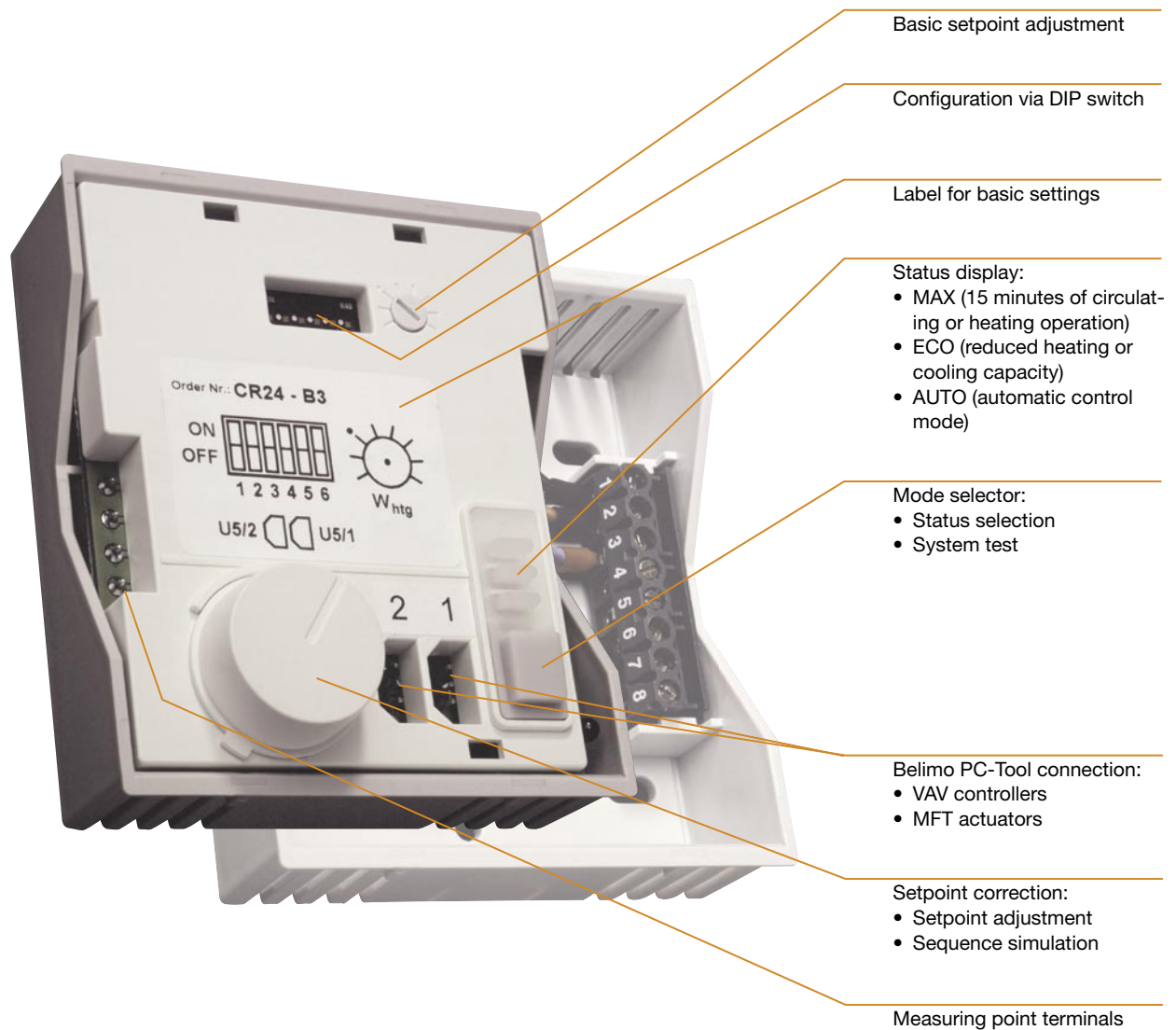
The new room temperature controllers CR24: The easy way to provide room comfort



More comfort – less consumption. An optimum room temperature promotes the users' health, comfort and ability to work. The output of room heaters, variable volume control and ventilation systems as well as chilled ceilings etc. must be adjustable – regardless of the installed technology – to the external conditions and the requirements of individual rooms. This is made possible by modern single room controllers such as the new CR24 from Belimo.

Suitable system solutions from a single source. The technology and functionality of the new CR24 series room temperature controllers are perfectly adapted to the Belimo actuators for motorized air and water control devices, that have been proven a million times over. As part of an overall system, they help to implement economically optimized stand-alone solutions for individually controlling the room climate and reducing energy consumption.

Optimized functionality for easy handling



A variety of uses. Thanks to their flexible design, the CR24 controllers can be used practically anywhere – with VAV units, radiators, air heaters/coolers, heated/chilled ceilings or combined systems. Depending on the requirements, the CR24 range supports applications with up to three output frequencies. The required functions and setpoints can be easily adjusted with a screwdriver and entered on the label.

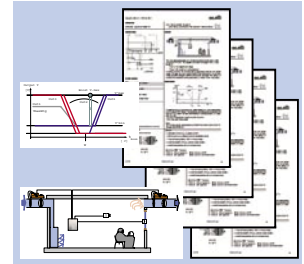
Innovative service functions. Optimized features make it easier to put the CR24 controllers into service. The control circuit of the entire unit is checked with a special test function – independently of the current room temperature. Integrated sockets make it possible to connect the Belimo PC-Tool for the field devices: Adjustment and control work can therefore be carried out via a laptop, and trend recordings and commissioning certificates can be automatically generated.

Cost savings in planning, installation and operation

Planning/ Engineering

For specifications, planning and engineering, Belimo provides complete application descriptions with a connection diagram, input and output assignment, pictorial schematic, functional description and diagram as well as adjustment and options.

The documents serve as installation instructions for electricians and system technicians as well as the complete plant documentation for the project handover.



Ordering/ Installation

There are three basic types available, with one to three output sequences.

For larger projects, the room controllers CR24 can be ordered in a modular form:

- Wall socket for assembly and connection
- Protected p.c.b. unit with different functions and cover with or without user interface (if desired, in different colors).

Covers and rotary knobs are also available individually so that they can be replaced or the color adapted if necessary.



Commissioning

The open design of the CR24 controllers simplifies the project-specific commissioning of a controller that is already in operation. Various test functions are available for this purpose, such as:

- The function test with integrated voltage display makes it possible to test the 24 V supply without a measuring instrument.
- In commissioning mode, the available control sequences are run through. In this way, the control devices can be tested dynamically – i.e. independently of the room temperature – directly from the easily accessible room controller.
- The direct access to the terminals simplifies the testing of the control and voltage levels.



Testing and maintenance via the Belimo PC-Tool

The CR24 controllers are equipped with sockets for connecting the Belimo tools for VAV controllers and actuators with Multi-Function Technology (MFT). The PC-Tool makes it possible to adjust the setting of the control devices via a laptop, directly from the room controller, record trend data etc. Time-consuming searching in the intermediate ceiling for the respective control devices and complicated opening/closing of ceilings etc. are eliminated.



Operation

The simple operating concept allows users to adjust the room temperature according to their requirements.

The functionality and room comfort can be increased by integrating additional sensors, motion detectors, window switches etc. A demand driven room solution also makes it possible to reduce the energy consumption.



Further information

www.belimo.ch

Simple operation with a clear design



User-friendly in every situation. The CR24 controllers can be easily operated by any room user. The status (MAX/ECO/AUTO) is selected with the mode selector by pushing the button; setpoints are corrected using the gradual control rotary knob. The versatile control functions run – without burdening the users – in the background. For rooms that are open to the public (public buildings, schools etc.) versions without a user interface are available.

Interior design-friendly. Room temperature sensors are visible elements and thus part of the interior design. The CR24 controllers have a modern, functional design. For large series, the color of the covers can also be adapted to the room design upon request. Surface and flush-mounted connections can be implemented with the same housing. This allows the controllers to be integrated in the room environment to be discrete and pleasing to the eye.

Air applications



Standard actuators and spring-return actuators for air control dampers in HVAC systems

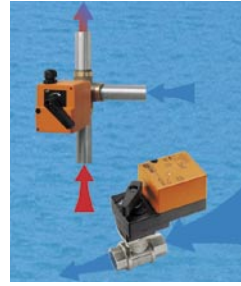


Safety actuators for motorizing fire and smoke extraction dampers



VAV systems for individual room air control

Water applications



Mixing actuators and motorized ball valves for HVAC water circuits



Globe valves and intelligent linear actuators – also for leading makes of valve

Innovation, Quality and Consultancy: A partnership for motorizing HVAC actuators

Contact the following for further information:

Belimo Headquarters

CH BELIMO Holding AG
Brunnenbachstrasse 1
8340 Hinwil, Switzerland
Tel. +41 (0)43 843 61 11
Fax +41 (0)43 843 62 68
info@belimo.ch
www.belimo.ch

Belimo Subsidiaries

AT/ BELIMO Automation
HR/ Handelsgesellschaft m.b.H.
HU/ Geiselbergstrasse 26-32
SI/ 1110 Wien, Austria
SK Tel. +43 (0)1 749 03 61-0
Fax +43 (0)1 749 03 61-99
info@belimo.at

AU BELIMO Actuators Pty. Ltd.
Unit 10, 266 Osborne Avenue
Clayton South, VIC 3169
Australia
Tel. +61 (0)3 9551 0201
Fax +61 (0)3 9551 0215
belimo@belimoactuators.com

CA BELIMO Aircontrols (CAN), Inc.
5716 Coopers Ave., Units 14&15
Mississauga, Ontario L4Z 2E8
Canada
Tel. +1 (1)905 712 31 18
Fax +1 (1)905 712 31 24
webmaster@belimo.com

CH BELIMO Automation AG
Sales Switzerland
Brunnenbachstrasse 1
8340 Hinwil, Switzerland
Tel. +41 (0)43 843 62 12
Fax +41 (0)43 843 62 66
verch@belimo.ch
www.belimo.ch

DE BELIMO Stellantriebe
Vertriebs GmbH
Welfenstr. 27, Postfach 72 02 30
70599 Stuttgart, Germany
Tel. +49 (0)711 1 67 83-0
Fax +49 (0)711 1 67 83-73
info@belimo.de
www.belimo.de

ES BELIMO Ibérica
de Servomotores, S.A.
C/San Romualdo, 12-14
28037 Madrid, Spain
Tel. +34 91 304 11 11
Fax +34 91 327 25 39
info@belimo.es

FR BELIMO Servomoteurs
Z.A. de Courtry
33, Rue de la Régale
77181 Courtry, France
Tel. +33 (0)1 64 72 83 70
Fax +33 (0)1 64 72 94 09
mail@belimo.fr

GB BELIMO Automation UK Limited
Shepperton Business Park
Govett Avenue, Shepperton
Middlesex, Great Britain
TW17 8BA
Tel. +44 (0)19 3226 0460
Fax +44 (0)19 3226 9222
belimo@belimo.co.uk
www.belimo.co.uk

HK BELIMO Actuators Ltd.
Room 208, 2/F
New Commerce Centre
19 On Sum Street,
Shatin, N.T.
Hong Kong
Tel. +852 26 87 17 16
Fax +852 26 87 17 95
info@belimo.com.hk

PL BELIMO Silowniki S.A.
ul. Zagadki 21
02-227 Warszawa, Poland
Tel. +48 (0)22 886 53 05
Fax +48 (0)22 886 53 08
info@belimo.pl

SG BELIMO Actuators Pte Ltd
2, Jurong East Street 21
#04-31F IMM Building
Singapore 609601
Tel. +65 6564 9828
Fax +65 6564 9038
info@belimo.com.sg

US BELIMO Aircontrols (USA), Inc.
43 Old Ridgebury Road
P.O. Box 2928
Danbury, CT 06810 USA
Tel. +1 (1)203 791 99 15
Fax +1 (1)203 792 29 67
webmaster@belimo.com
www.belimo.com

Belimo Representatives and Agencies

AE BELIMO Trading
Middle East Office
P.O. Box 73885
Dubai, U.A.E.
Tel. +971 (0)4 295 9670
Fax +971 (0)4 295 9680
belimome@emirates.net.ae

BG BELIMO Bulgaria Ltd.
j.k. Lagera, 3 Smolyanska Str.
bl. 56, entr. B, ap. 50
1612 Sofia, Bulgaria
Tel. +3592 952 3470/1
Fax +3592 545 995
belimo@intech.bg

CN BELIMO Actuators Ltd.
Room 1305, Financial Square
No. 333 Jiujiang Road
200001 Shanghai, China
Tel. +86 21 6360 8960
Fax +86 21 6360 8981
shanghai@belimo.ch

CN BELIMO Beijing
Rm 605, Beijing Hai Chang
Edifice, 44, Liang Ma Qiao Road
Chao Yang District
100016 Beijing, China
Tel. +86 10 6462 1382
Fax +86 10 6462 1383
beijing@belimo.ch

CY R.E.S. Ltd.
P.O. Box 8297
Nicosia, Cyprus
Tel. +357 (0)2 51 10 07
Fax +357 (0)2 49 65 47
reliance@spidernet.com.cy

CZ BELIMO CZ (Ing. Ivar Mentzl)
Charkovská 16
10100 Praha 10, Czech Republic
Tel. +420 (0)2 717 40 311
Fax +420 (0)2 717 43 057
info@belimo.cz

DK BELIMO A/S
Thomas Helstedesvej 7A
8660 Skanderborg, Denmark
Tel. +45 86 52 44 00
Fax +45 86 52 44 88
info@belimo.dk

EE BELIMO Balticum AS
Türi 10 d
11313 Tallinn, Estonia
Tel. +372 6 140 811
Fax +372 6 140 812
info@belimo.ee

FI Oy Suomen BELIMO Ab
Insinöörinkatu 2
00880 Helsinki, Finland
Tel. +358 0424 651 1
Fax +358 0424 651 250
belimo@belimo.fi

GR BELIMO Air Controls
29, Tagm. Plessa, Kalithea
GR 17674 Athens, Greece
Tel. +30 2 10 94 00 766
Fax +30 2 10 94 00 767
belimogr@tee.gr

IE Safegard Systems Ltd.
Systems House, Unit 34
Southern Cross Business Park
Bray, Co Wicklow, Ireland
Tel. +353 (0)1 2761600
Fax +353 (0)1 2761611
info@safegard.ie

IL Shemer Representations
P.O. Box 296
56101 Yehud, Israel
Tel. +972 3 536 51 67
Fax +972 3 536 05 81
shemer@shemerep.co.il

IN BELIMO Vitek Air Controls
B3/3, Shri Punit Nagar, Plot N°3
S.V. Road, Borivali-West
Mumbai 400 092, India
Tel. +91 22 2807 5866
Fax +91 22 5695 9439
bvac@bom2.vsnl.net.in

IS Hitataekni ehf.
Langholttsvegí 109
104 Reykjavík, Iceland
Tel. +354 5 88 60 70
Fax +354 5 88 60 71
fridmar@hitataekni.is

IT BELIMO Servomotori S.r.l.
Via Stezzano, 5
24050 Zanica BG, Italy
Tel. +39 035 67 26 82
Fax +39 035 67 02 00
info@belimo.it

KR HANMO Corporation
3rd Floor, Yeosam Bldg. 648-23
Gangnam-Ku, Seoul, Korea
Tel. +822 3453 8225
Fax +822 3453 8228

LB Energy Center (EC)
Hamra, Leon Street, Shatilla,
Bldg. 4th Floor,
P.O. Box 113-6955
Beirut, Lebanon
Tel. +961 (0)1 35 38 23
Tel. +961 (0)1 35 38 23
belimome@emirates.net.ae

NL/ BELIMO Servomotoren BV
BE/ BENELUX
LU Postbus 300, 8160 AH Epe
Radeweg 25, 8171 MD Vaassen
Netherlands
Tel. +31 5 78 57 68 36
Fax +31 5 78 57 69 15
info@belimo.nl

NO BELIMO Spjeldmotorer A/S
Knonwsgate 5
0192 Oslo 1, Norway
Tel. +47 22 70 71 71
Fax +47 22 70 71 70
info@belimo.no

PH BELIMO Actuators Philippines
Rm.# 507 Anita Build., 5th Floor
1300 Quezon Ave., Cor.South Ave.
1103 Quezon City, Philippines
Tel. +63 (2)373 5440
Fax +63 (2)373 5424
philippines@belimo.com.hk

RO SC Mano Construct srl
Str. Camelliei nr 5, sector 1
Bucuresti, Romania
Tel. +40 212 126 993
Fax +40 212 126 995
manconstruct@tx.ro

RU BELIMO Servomotors
Russia Ltd.
Nizhnyaya Pervomaiskaya,
46 Bld.1, Office 303
105203 Moscow, Russia
Tel. +7 095 965 74 64
Fax +7 095 965 74 73
info@belimo.ru

SE BELIMO AB
Hägerstens Allé 88
129 37 Hägersten, Sweden
Tel. +46 (0)8 88 07 00
Fax +46 (0)8 97 85 75
info@belimo.se

TR BELIMO Otomasyon A.S.
Keyap Sitesi No.20
TR-34775 Y. Dudullu
Istanbul, Turkey
Tel. +90 (0)216 527 98 70
Fax +90 (0)216 527 98 71
info@belimo.com.tr

TW Chianseng Enterprise Co. Ltd.
2F, No. 21, Tong Fong Street
Taipei, Taiwan
Tel. +886 2 27 08 77 80
Fax +886 2 27 02 90 90
taiwan@belimo.com.hk

UA BELIMO Ukraine S.A.R.
34-A, Ul. Yurkovskaya, Appt.N°2
254080 Kiev, Ukraine
Tel./Fax +380 44 463 7586
comaster@belimo.kiev.ua

ZA BELIMO Actuators Southern Africa cc
P.O. Box 2483
Alberton 1450, South Africa
Tel. +27 (0)11 868 5681
Fax +27 (0)11 900 2673
belimo@mega.co.za