Electrical Settings

SERIES ARC300
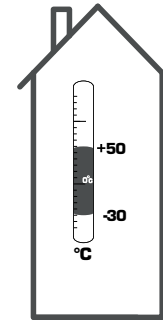
ESBE®

NO.1 IN HYDRONIC SYSTEM CONTROL

ESBE®

www.esbe.eu

Series ARC300

CE

LVD 2006/95/EC valid until April 19th 2016
LVD 2014/35/EU valid from April 20th 2016

EMC 2004/108/EC valid until April 19th 2016
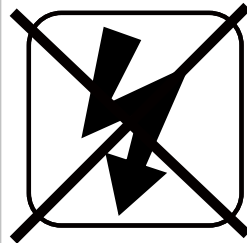EMC 2014/30/EU valid from April 20th 2016

RoHS 2011/65/EU

+50
-30
°C

Series ARC300

ARC300
Valve
Assembly

ARC300
Damper
Assembly

Damper Assembly

Valve Assembly

SERIES ARC300

SERIES ARC300

ESBE®

NO.1 IN HYDRONIC SYSTEM CONTROL

E
1

ARC361/ARC363

2-point

R
L

1	2	3
BU	BN	BK

⊥ −   ~ +

N   L

3-point

R
L

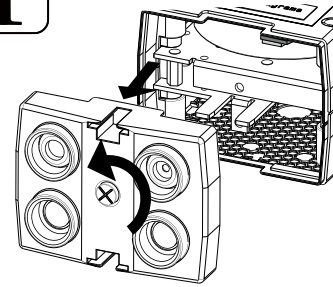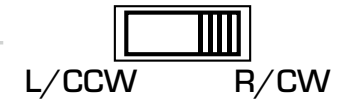| 1	2	3
BU	BN	BK

⊥ −   ~ +

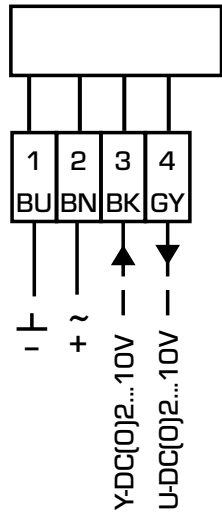N   L
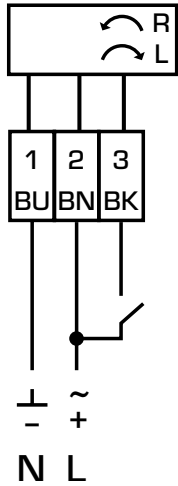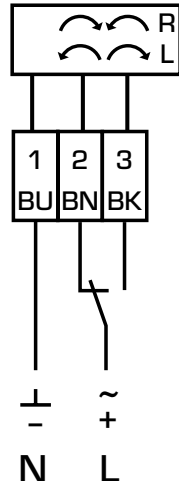
i
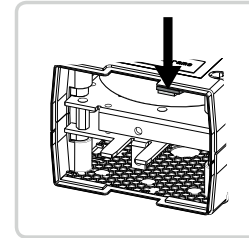
ARC361=85....265V AC/DC

ARC363=19....29V AC/DC

L/CCW   R/CW

R/CW=Clockwise working direction
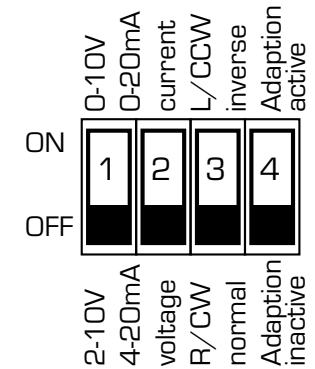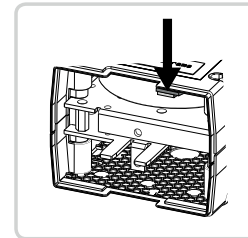L/CCW=Counter clockwise working direction

ARC368/ARC369

1	2	3	4
BU	BN	BK	GY

AC 19...29 V
DC 19...29 V

⊥ −   ~ +   Y-DC(0)2...10V —   U-DC(0)2...10V —

i

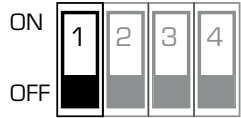|	0-10V	0-20mA	current	L/CCW inverse	Adaption active
ON	1	2	3	4	
OFF					
	2-10V	4-20mA	voltage	R/CW normal	Adaption inactive

R/CW=Clockwise working direction
L/CCW=Counter clockwise working direction

E 3

Y=0 - 10 V DC/0-20mA

U = 0-10 V DC

ON 1 2 3 4 OFF

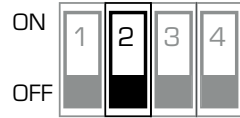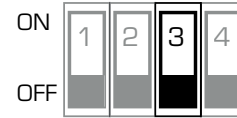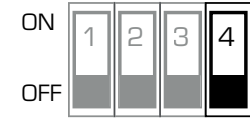Y = 2 - 10 V DC/4-20mA

U = 2 -10 V DC

Current (mA)

ON 1 2 3 4 OFF

Voltage (V DC)

L/CCW

ON 1 2 3 4 OFF

R/CW

Adaption active

ON 1 2 3 4 OFF

Adaption inactive

1 < 90°

2

3
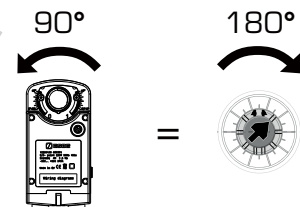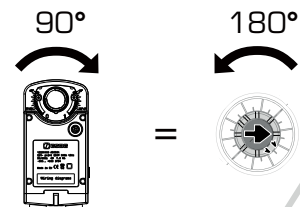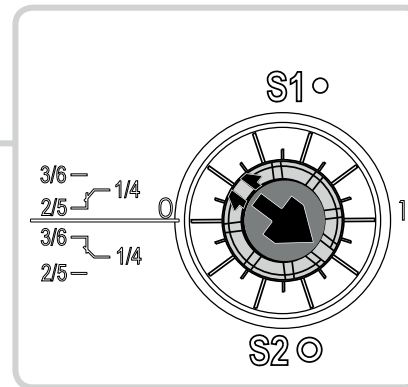**V 9B** / **D 1B**
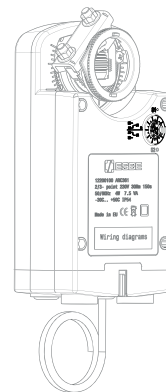+ +
V 9C / **D 1C**

SERIES ARC300

4

5 ON 1 2 3 4 OFF ON

6

7 ON 1 2 3 4 OFF OFF

ARC368 Auxilary switch S1/S2

E 4a

S1   S2

1	2	3	4	5	6
WH	WH	WH	WH	WH	WH

0...95°   0...95°

S1 ○

3/6 — 1/4
2/5 — 1/4 — 0
3/6 — 1/4
2/5 — 1

S2 ◎

90° = / 180° = 90° = / 180° =

S1

2

1

3

0   1

0   1

2

1

3

S2

5

4

6

0   1

0   1

5

4

6
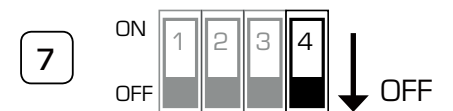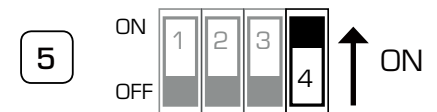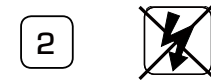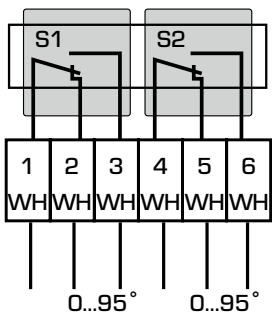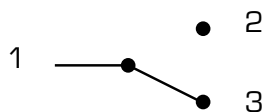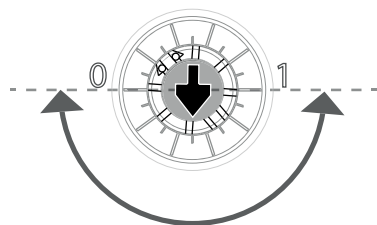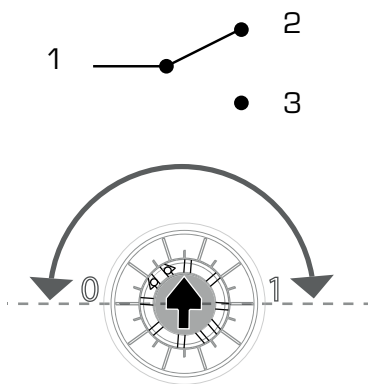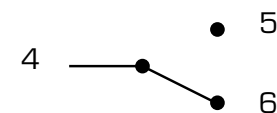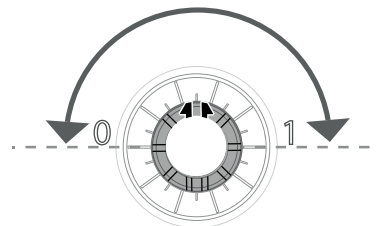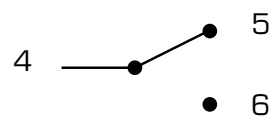
Example R/CW operation

0   1
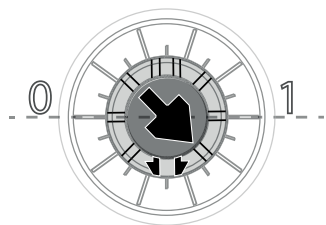
= 0° (Closed position)

| Ex. **S1** | 0° - 20° | 1 — 3 |
| | 20° - 90° | 1 — 2 |

| Ex. **S2** | 0° - 45° | 4 — 6 |
| | 45° - 90° | 4 — 5 |

Example L/CCW operation

0   1
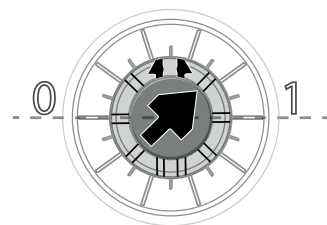
= 0° (Closed position)

| Ex. **S1** | 0° - 20° | 1 — 2 |
| | 20° - 90° | 1 — 3 |

| Ex. **S2** | 0° - 45° | 4 — 5 |
| | 45° - 90° | 4 — 6 |

All exampels are general representations