The image contains a wiring diagram of a BM200 Piston Pump 3~400VAC. The diagram includes various electrical components such as main switch, power transformer, control panel, and protection marks according to DIN 34 to be observed.

Key components and labels include:
- **Main Switch**: 3~400VAC/480VAC Delta
- **Power Transformer**: 3~400VAC/480VAC Delta
- **Control Panel**: 3~400VAC
- **Motor (M)**: option or 3~400VAC Delta
- **Bottom Plate**: case, door

The diagram also includes the date of the original check and the editor's name, L. Selent. The protection mark is acc. DIN 34 to be observed.
additional heating channel 1

additional heating channel 2

temperature sensor NI120

Option
Wiring diagram

BM200 Piston Pump 3~400VAC

Additional heating channel 162

V11.1

change

output

L.Selent

checked

07.03.05

AEM 20/09/05

01.12.03

L.Selent

protection mark acc. DIN 34 to be observed

temperature sensor NI120 1

solid-state relay 10A 240V

-13N3

channel 7

CS20

-82A1

-13N6

channel 8

CS20

-82A1

additional heating channel 1

61/BC/1.0

56/DBU/1.0

additional heating channel 2
**Wiring Diagram**

**Option**

**Additional heating channel 5**
- Solid-state relay
- Maximum power: 1800W

**Additional heating channel 6**
- Solid-state relay
- Additional heating channel 5
- Channel 11

**Temperature sensor NI120**

**Additional heating channel 6**
- Solid-state relay
- Maximum power: 1800W

**Temperature sensor NI120**

---

**Notes:**
- Additional heating channel 5 & 6
- Date: 01.12.03
- Name: L.Selent
- Output: 07.03.05
- Name: H.Meyer
- Protection mark acc. DIN 34 to be observed

---

**Technical Specifications:**
- BM200 Piston Pump 3-400VAC
Temp. controller 1

BM200 Piston Pump 3-400VAC

Protection mark acc. DIN 34 to be observed

Wiring diagram

Temp. controller 1
Two hand operation

Wiring diagram

BM200 Piston Pump 3-400VAC

Date: 01.12.03
Checked: L. Selent

Protection mark acc. DIN 34 to be observed
- 91A1 digital input
- 91A1 release drives
- 91A1 temperature setback
- 91A1 zone 1-6 on
- 91A1 zone 1-6 off
- 76K7 week day timer
- XS2 release unit
- XLVE release drives
- XLVE temperature setback
- XLVE change over

power supply 24VDC
release unit
release drives
temperature setback
change over
change over
change over

BM200 Piston Pump 3-400VAC

protection mark acc. DIN 34 to be observed
Digital module
Position switch
Wiring diagram

BM200 Piston Pump 3~400VAC

Protection mark acc. DIN 34 to be observed

- 91A1
drum low
central processing unit CS20
digital input 1 3 B4-4

- 91A1
drum empty
central processing unit CS20
digital input 1 4 B4-5

- 133K2
piston up
24VDC

- 133S2
piston up

- 133S4
drum low

- 133S5
drum empty

editor 01.12.03 L. Selent
checked

output 29.03.05 L. Selent
- Key-operated switch HOST
- Central processing unit CS20

0V = Standalone Mode
24V = Remote Mode
digital input
main contactor
central processing unit CS20

release main contactor
central processing unit CS20
digital output
Q 2

reserve wire

reserve wire

melting plate
overtemperature fuse

perfluoroethylene (PTFE)

parafluroethylene (PTFE)

protection mark acc. DIN 34 to be observed
remote digital output Q 5 X14:1
-91A1
ready
central processing unit CS20

digital output Q 6 X14:3
-91A1
collective fault indication
central processing unit CS20

digital output Q 7 X14:4
-91A1
drum low
central processing unit CS20

digital output Q 8 X14:5
-91A1
drum empty
central processing unit CS20

digital output Q 9 X14:6
-91A1
zone 4-N ready
change over
central processing unit CS20

digital output Q 10 X14:7
-91A1

digital output Q 11 X15:4
-91A1
drum low
central processing unit CS20

digital output Q 12 X15:5
-91A1
zone 4-N ready
change over
central processing unit CS20

remote digital output Q 13 X15:6
-91A1
drum empty
central processing unit CS20

remote digital output Q 14 X15:7
-91A1
zone 4-N ready
change over
central processing unit CS20

digital output Q 15 X15:8
-91A1
zone 4-N ready
change over
central processing unit CS20

ext. 24VDC
digital output

floating contacts
(max. 2A/24VDC)
Option light tower

Wiring diagram

BM200 Piston Pump 3~400VAC

7104094.02

page 2

Protection mark acc. DIN 34 to be observed

L.Selent
motor release 1
Application 1

motor release 1
Application 1

remove jumper for hand gun operation

handgun 1

protection mark acc. DIN 34 to be observed

Gun control 1
Wiring diagram

BM200 Piston Pump 3~400VAC

L. Selent

01.12.03

30 page

29.03.05

L. Selent

01.12.03

L. Selent

30 page