

DDC station DDC3500-BACnet

Basic function

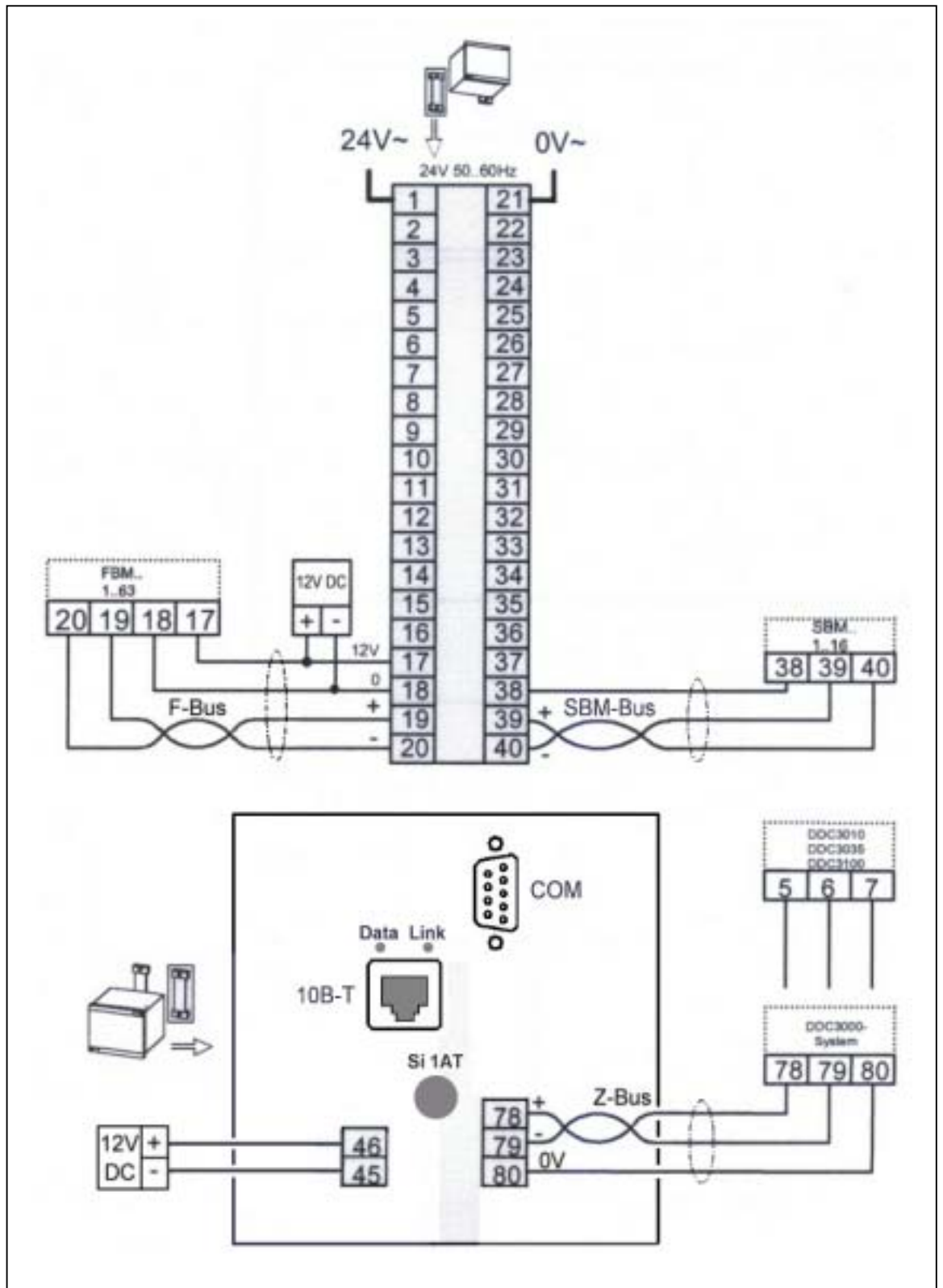
- Native BACnet automation station
- Meets BAAC requirements
- Serves as BACnet client and BACnet server
- Enables peer-to-peer communication with other BACnet devices
- Manages 2000 BACnet objects
- Supports BACnet Ethernet, BACnet/IP hardware layers
- DDC station for regulation, optimization, control and monitoring functions
- Manual operation level with button and illuminated LCD
- Direct connection to BMS control station
- 12 DDC heating/ventilation control loops, can be expanded to 21 DDC control loops using the Fixset DDC software menu
- Functions can be expanded using DDC software menus
- Extensive SPS functions with 499 flags, 99 timers and timer programs
- Up to 99 DDC stations in peer-to-peer data exchange
- Constant system monitoring of bus communication and all connected DDC components
- Customized text possible for each parameter
- Error message memory, event log with date and time
- Adjusts automatically to and from daylight savings time
- User-run text dialog for querying and entering DDC data, such as actual values, nominal values and times
- The entire DDC system can be operated from any connected DDC station (remote control) without any additional devices
- DDC station optionally available with maximum load limit (E-max function)



• Specifications

Bus connection	Central bus (C-bus)	1000m (3000m with drivers), 100kBaud for 99 DDC3000 stations,
	Fieldbus (F-bus)	2000m, 20kBaud, CAN for 63 FBM field bus modules/FBR fieldbus controller
	Switch cabinet bus (SBM-bus)	200m, 40kBaud, CAN for 16 SBM switch cabinet bus modules
Ports	Serial RS232 (COM)	BACnet configuration with terminal/diagnostics
	Ethernet	10base-T (BMS-connection) Indicators Data: flashes during data communication Link: illuminates when line is connected
	PCMCIA	for memory card, update, backing up data/restoring behind front panel)
Operating voltage	Diagnostic socket for DDC stations	Code key/device diagnostics 24V AC $\pm 10\%$, 50..60Hz, 800mA, 19.2VA at nominal voltage
	for FBM fieldbus modules	12V DC $\pm 25\%$ / 50mA
	for Ethernet	12V DC $\pm 10\%$ /800mA
Fuses	Mains supply	Slow-blow 0.63A
	Communication server	Slow-blow 1.0A
Address switches	00..99	Addresses 01..99 are set using the 2 rotary switches behind the front panel
Indicators	LCD	4 x 20 characters, illuminated
	LED data	flashes during F-bus and SBM-bus data transfer
	LED error	illuminates when C-bus errors occur or when battery is flat
Switches/buttons	30 buttons	
Processor 1	68302, 32 Bit, 16MHz	Memory: 1MB RAM, 2MB Flash PROM
Processor 2	SC520, 32 Bit, 133MHz	Memory: 32MB DRAM, 32MB Flash disk
Operating system	PSOS 1.20	realtime/multitasking, C programming language
Data backup	in power loss	approx. 10 years, real-time clock battery backup
Enclosure	19" short enclosure	Four-compartment plastic enclosure with two plug-in sockets
		Width x height x depth: 202 x 132 x 148mm
Ambient conditions	Temperature	0..45°C
	Humidity	20..80% rel. humidity, non-condensing
Degree of protection	IP40	
Installation	Front of control panel	Control panel cutout: 200.4 x 112.0mm
	or Front of control panel	with 19" rack KA
Weight	1.1kg	
Certification	CE	

DDC3500-BACnet wiring diagram



Installation dimensions

